

SEQUENCE LISTING

<110> Wang, Tongtong
 Bangur, Chaitanya S.
 Lodes, Michael A.
 Fanger, Gary
 Vedvick, Tom
 Carter, Darrick
 Retter, Marc
 Mannion, Jane
 Fan, Liqun

<120> COMPOSITIONS AND METHODS FOR THE THERAPY AND
 DIAGNOSIS OF LUNG CANCER

<130> 210121.478C11

<140> US

<141> 2000-09-08

<160> 1788

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 527

<212> DNA

<213> Homo sapien

<400> 1

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actgttccca	gacggaaaac	tgggataaag	ggagccatgc	tgacagggcc	ttattccagt	360
ctaggttggt	agaaaggagc	cctagcccag	aaatgacagc	aaatagccat	aatcattatg	420
tggggctgaa	ccagaggaag	ccaggctgag	ccaagaagct	ggaagtatct	tgaacggctc	480
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<212> DNA

<213> Homo sapien

<400> 2

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aagagtcagc	tagaacaagg	aaaaagaaa	tcgcaggtag	taggtaagta	ggtgggcaca	240
tgaaaagcca	agctgctctg	tccaacacca	gtgtacatgt	gctttaacta	aatgaactcc	300
agaggccaac	agcagcagac	ctgctcaatt	caccttccaa	atcagaacaa	gacccaaaaa	360

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ctcaggcttg agttgtcaac tatgcatagg ttccgccagt gctgaggggt gtgaggctct 420
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agctattcag                                     490

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<210> 3
<211> 464
<212> DNA
<213> Homo sapien

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<400> 3
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aactacaaga cggtagagtc tttggaagaa accttgaaga aagcgtctcc tgatggttat 180
gattgttatt ttgataatgt aggtggagag ttttcaaaca ctgttatcgg ccagatgaag 240
aaatttggaa ggattgccat atgtggagcc atctctacat ataacagaac cggcccaact 300
ccccaggcc cacccccaga gattgttatt tatcaggagc ttcgcatgga agcttttgtc 360
gtctaccgct ggcaaggaga tgcccgcga aaagctctga aggacttgct gaaatgggtc 420
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<210> 4
<211> 510
<212> DNA
<213> Homo sapien

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<400> 4
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gaggtgggct gggagattaa catcttacct ggggtccttc agataaacct gttggttttt 180
cctgtctcat acaggcccat cttaagtttt gatgttgaat taaaactact tctacccctt 240
tagttataaa aaaggccaca aggagcattt atgtggatat ctggaagtga gatagttatt 300
ccattcccag gaaaagaaaa ataaagctaa gttacaaaac taaatctata tgcaataaag 360
ttattatata ctgcttttgt taagcagagt cctctggaat ttatgtacag tacattagtt 420
ttcagctatt tatattccac aagttagacc ttaagattct ctggttttaa gacaattgtt 480
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<210> 5
<211> 452
<212> DNA
<213> Homo sapien

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<400> 5
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agtggtagat ttagaagaag agaaccaaaa acttttgcta gaaaatcagc ttttacgaga 180
gaaaactcat ggcttgtag ttgagaacca ggagttaaga cagcgcttgg ggatggatgc 240
cctggttgct gaagaggagg cggaagccaa ggtaaatcat ctcttttatt tgggtgcctc 300
tgtgagtact ggttccaagt gacatgaccc agcgattatg tttacagtct ggacttctga 360
tcaagagcgt tcttgaaatt ttccttcagt ttttaagacat tttcatgcag gcagagtgtt 420
cttcccctaa aggacttga cactcatttt tt                                     452

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<210> 6
<211> 336
<212> DNA
<213> Homo sapien

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<400> 6
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 atccacgatac gagggcatat tgcttcagtt ctcaatgcat ggccagaaga tgtcatcaag 180
 gccattgtgg tgactgatgg agagcgtatt cttggccttg gagaccttgg ctgtaatgga 240
 atgggcatcc ctgtgggtaa attggctcta tatacagctt gcggagggat gaatcctcaa 300
 gaatgtctgc ctgtcattct ggatgtggga accgaa 336

<210> 7
 <211> 376
 <212> DNA
 <213> Homo sapien

<400> 7
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 agatggtaag acctctgaga ccaaaatTTT gtcccatctc taccctctca caactgctta 240
 cagaatggat catgtcccc ttatgttgag gtgaccactt aattgctttc ctgcctcctt 300
 gaaagaaaga aagaaagaag actgtgtttt tgccactgat ttagccatgt gaaactcatc 360
 tcattaccct tttctg 376

<210> 8
 <211> 406
 <212> DNA
 <213> Homo sapien

<400> 8
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 ctgtgtttaa gatgctgcta atgtcagtc ctgggtgcac taaaggatct cttattttat 180
 gtaaaacggt gggattgaca agatagatct gatactctgt taagttaccc tctgaagcta 240
 cttcttgtga aataactaatg acagcatcat cctgccaaagc gaaagaggca ggcataagca 300
 aggacaaatt aaaaggggt aagagcctta tcatgatgag gagtcttgtt ttgacatctt 360
 gggaaaagct gtccatagtg tgaagtcgtc aatttctcac catggt 406

<210> 9
 <211> 330
 <212> DNA
 <213> Homo sapien

<400> 9
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 ctctggcctt ccgagaagg accatcaatg tccacgacgt ggagacacag ttcaatcagt 180
 ataaaacgga agcagcctct cgatataacc tgacgatctc agacgtcagc gtgagtgatg 240
 tgccatttcc tttctctgcc cagtctgggg ctggggtgcc aggctggggc atcgcgctgc 300
 tgggtgctggt ctgtgttctg gttgcgctgg 330

<210> 10
 <211> 449
 <212> DNA
 <213> Homo sapien

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<400> 10
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ggggatgtgc taaagcgtga aatcagttgt ccttaatttt tagaaagatt ttggtaacta      120
ggtgtctcag ggctggggtg ggggtccaaag tgtaaggacc ccctgccctt agtggagagc      180
tggagcttgg agacattacc cttcatcag aaggaatttt cggatgtttt cttgggaagc      240
tgttttggtc cttggaagca gtgagagctg ggaagcttct tttggctcta ggtgagttgt      300
catgcgggta agttgaggtt atcttgggat aaagggtctt ctagggcaca aaactcactc      360
taggtttata ttgtatgtag cttatatttt ttactaaggt gtcaccttat aagcatctat      420
aaattgagtt cttttttotta gttgtatgg                                     449

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<210> 11
<211> 472
<212> DNA
<213> Homo sapien

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<400> 11
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aacccttggg ggataagaca gccacacatg gctcaggctg ttaggtgtcc actgtcacag      180
tccaaagaga aaggtacggc ctccaagggg gcagcttaag ccaacatgta agacttgggc      240
acgatgaaag gacgggggtc cagctacgaa tgtttttgtt cttgatgtca agttgccagc      300
tactggaagg caggagcagt ttcttctttt tcccactctg tgctgggtac ttgggagagg      360
cgaaataaat accagactgt ccactcctca gcctaaggtc cttctcaagt cctgcacact      420
cagcacttgc tctttaacgt ggcatatggt ccccatctt cccctggtaa tg                                     472

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<210> 12
<211> 371
<212> DNA
<213> Homo sapien

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<400> 12
tttttttttt tttttttttt ttttggarat ttgkacatt ttattcagwa tttctgctgc      60
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gtccacaggt acctaccccc tggactgcag caactttatt accttaacta gcacaraaca      180
gaggttgatt taaactcctt acactcactt ctcaratcaa tgaatgggca aaraaacmcc      240
tcatggctct gggaaggcat gctgaracct gtttttgcga gtcctgagga atggaaraat      300
atagctgcca ggtatcccaa gtctagggca gggagggkag tatcggcac actttcactg      360
cattctgttg g

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<210> 13
<211> 493
<212> DNA
<213> Homo sapien

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<220>
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<222> (1) ... (493)
<223> n = A,T,C or G

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<400> 13
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aggtgccaaa tcccaggaca ggcatgaagt gaccatcatt cagcttcaca cactgatatt      180

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tcgaatccat	ttctgtcnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	240
caacctgctc	ctcattattg	taaacatgtg	cagaatcaat	atggcggaac	ccagcttcta	300
ttgctaattt	tgtgacctcc	aaagctttac	ttctcggaac	cttggttctt	ccgagcgctc	360
agcaatcccc	ccgagcttct	ttgagacgtc	ctcaggtgtc	ctttgacgat	gcgtcctcca	420
ctttcacaca	ctctagcatt	ccttcactgg	ggtcttcatt	gccccacatt	gggcagccag	480
gaatgttggg	gtg					493

<210> 14
 <211> 540
 <212> DNA
 <213> Homo sapien

<400> 14						
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tgtctttgta	ttctgggtaca	tcgtcgtact	gcacactttt	ctttgtagag	gatctgaagg	480
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<210> 15
 <211> 421
 <212> DNA
 <213> Homo sapien

<400> 15						
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g						421

<210> 16
 <211> 236
 <212> DNA
 <213> Homo sapien

<400> 16						
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gctgacagca	aagagctgct	ctctgtgggc	ctgcttcata	tcataccgaga	ggccgtacaa	120
gaagtggctc	attcctttgt	ctgaaggagc	gacaggagca	tctacggttg	agaagacaga	180
aagtttggct	tcgtcgatgt	cttgctgtgt	gaattttcca	gacttagccc	agtcga	236

<210> 17
 <211> 424
 <212> DNA
 <213> Homo sapien

<400> 17

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agcagatgca	gatgataata	ttcttgatta	ctcggatgga	atggaagaaa	tatttggttc	180
cctcaattcc	ctgaacaag	acatcgagca	tatgaaattt	ccaatgggta	ctcagaccaa	240
tccagcccga	acttgtaaag	acctgcaact	cagccatcct	gacttcccag	atggtgaata	300
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atctggtggt	gagacttgca	tttatccaga	caaaaaatct	gaggagtaa	gaatttcac	420
atgg						424

<210> 18

<211> 154

<212> DNA

<213> Homo sapien

<400> 18

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aggacaattg	aaatttgcta	aagggaaagg	ggaaagaaag	ggaaaaggga	gaaaaagaaa	120
cacaagagac	ttaaaggaca	ggaggaggag	atgg			154

<210> 19

<211> 445

<212> DNA

<213> Homo sapien

<400> 19

caacaaaatt	ggtgaacaca	tggaagaaca	tggcatcaag	tttataagac	agttcgtacc	60
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caccaatagt	gaggaaatca	ttgaaggaga	atataatacg	gtgatgctgg	caataggaag	180
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ggctcagagg	ctctatgcag	gttccactgt	caaagtgtga	ctatgaaaat	gttccaacca	420
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<210> 20

<211> 211

<212> DNA

<213> Homo sapien

<400> 20

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atcccagagg	acccataagt	gccggtgaca	agctgtctgt	caggggagag	gctccagaac	120
ctgggttcgt	cccagtgag	accggaggat	gatcccccaa	ggactgcgca	gcatcagctc	180
ttggtgggcc	tctgecttct	cttctgtttg	g			211

<210> 21

<211> 396

<212> DNA

<213> Homo sapien

<400> 21

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catcaaagca	gtggacaaga	aggctgctgg	agctggcaag	gtcaccaagt	ctgcccagaa	300
agctcagaag	gctaaatgaa	tattatccct	aatacctgcc	acccactct	taatcagtgg	360
tggaagaacg	gtctcagaac	tgtttgtttc	aattgg			396

<210> 22
 <211> 277
 <212> DNA
 <213> Homo sapien

ggaaccatgt	ggcggcgcc	cttgatcgtg	agaaaggcga	tgtgggagaa	ctccttcacg	60
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tccatcttct	ggttgaggga	atccacaaac	cactcatccc	ccatgaaatt	gcaggccatg	180
tctacatctc	cattatataa	taggatctgg	gattttctgtg	agctaagcag	cttcagatac	240
tgggagttca	tgcttcggta	gagacggcgg	tactgta			277

<210> 23
 <211> 634
 <212> DNA
 <213> Homo sapien

tctgaccatc	catatccaat	gttctcattt	aaacattacc	cagcatcatt	gtttataatc	60
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atggaggagg	gattttatgg	agaaatgggg	atagtcttca	tgaccacaaa	taaataaagg	180
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tgctctatct	tagatagatt	aacattaacc	aacataatct	tttttagatc	gagtcagcat	360
aaattttctaa	gtcagcctct	agtcgtgggt	catctctttc	acctgcattt	tatttggtgt	420
ttgtctgaag	aaaggaaaaga	ggaaagcaaa	tacgaattgt	actatttgta	ccaaatcttt	480
gggattcatt	ggcaataaat	ttcagtgtgg	tgtattatta	aatagaaaaa	aaaaattttg	540
tttcctaggt	tgaaggctca	attgatacgt	ttgaacttatg	atgaccattt	atgcactttc	600
aatgaattt	gctttcaaaa	taaatgaaga	gcag			634

<210> 24
 <211> 512
 <212> DNA
 <213> Homo sapien

gcaaaacaag	cctaagcaag	cacaacgaag	agcagaagtc	agtgaatta	aaaagaggaa	60
aaagaaaaat	cataaaaaatc	ataaaaaagtt	atttctttga	aaagatcaat	gaaatcttagc	120
aagactgaca	cagataaaaa	ggaattagac	ccaaatcagt	gaacaggaat	gaaatagagg	180
atatcactac	agaggctgca	gccattgaaa	ggataattag	gaaatccac	agataacttt	240
gtgctcataa	atttgacaat	gtagaggaaa	tatcttttagt	tttaattagc	tttttatttt	300
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tgtaggcata	cctcagagat	gtggcggatt	tggtttcaga	ctactgcaat	aaaccaaata	420
tggcaataaa	aggagtcaca	gaaagtgggt	tcccagtgtg	tatatataaa	agttacattt	480
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<210> 25
 <211> 461

<212> DNA
<213> Homo sapien

<400> 25
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ttgttcattg aaatctctag ccatttcctt ggtaaacag gataatcttt ttttttccact 120
aaagaacatt cgtgggtggt tagtgatgag gttaatatc ccctcttgct cacctccaca 180
ttggaaaaac cacgttggac tgagttttga ggagcaaaga actaatcact tgaccaaagg 240
ggccctgtat cccacaagc cctgggtatt tttctctcat agagagaaga gggctctgtat 300
ggatacctga aaatgtgatt ttatatattc ttggcatcca ggggagaaaa atcaaaaagc 360
aaggaagtta cagttatctc cccagaaatt aatgggtcat gtcaagacta taggttttca 420
tttccttctg ttgcttggtta gaatgatggt cttgtgggaa a 461

<210> 26
<211> 317
<212> DNA
<213> Homo sapien

<400> 26
tgctggagtc ggaactgctg cctttgtttg gcggccttgt ttcttaaate agttccctct 60
taggatttat tacactaaaa aaaaattagt ttttgaaaag aaataggaga atacagaaac 120
atgaatttca cgaggctatc atctaacagt gggggctttc tacacacgtg gtgccaaaat 180
gtgtcattct gagtcaattg caattcctct ctaggagtga aaagagataa aagataagcc 240
aagaaccctg gacagattct tgggtgttgg gacaaagagg aaaggacctg agaatggggc 300
tggtggggag aggggggg 317

<210> 27
<211> 250
<212> DNA
<213> Homo sapien

<400> 27
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ataagcmaga tctaagaagt tatcaaaact attctttaaa atgctaaagc aggtaacttt 120
ttcttccatt attttttcct cctaccactg agttttgtta tgaattcctt gtgtatacaa 180
gcaatacagg tgaatactaa actgttattt ttagcttctt caaaagctat tttagaaagc 240
ttcctggaaa 250

<210> 28
<211> 532
<212> DNA
<213> Homo sapien

<400> 28
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tgctgtctcc cttgccacaa ctctgaccaa gattgcattg cgctatgtag ctttggttca 180
ggagaagaaa aagcaaaatt cttttgttgc tgaggctatg ttgctcatgg ctactatcct 240
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ggaatgcaga cagtcccttt ctacatggt atctgctaaa ctagaagaag agaaattatc 420
ccaaaagaaa gaatctgaaa agaggaatgt gacagtacag cctgatgacc ccatttcctt 480
catgcaacta actgctaaga atgaaatgaa ctgcaaggaa gatcagtttc ag 532

<210> 29
 <211> 486
 <212> DNA
 <213> Homo sapien

<400> 29
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 ttgatctccc acaccaaag agaaaataat atttatatgg aagtaatttt attttagtgt 180
 ttgtgattta ttgtggagag caggbgttta aaaatttttag aatttctttt taacaaaatc 240
 aaatacattg ttaaggtaac aaagaataat tcactatttc agcatttcaa agcaacatat 300
 tctacaactt caaagatat tgcaaaaata atacaactgt tgaagttaa atgttatgga 360
 aagaaacatt agaagtatga aaagtggtag aaaaacatgt ttctttttat tctcttggat 420
 atatatctat atatttagga aaatacatat atgtatgtgt atgtatatat atgtatgaaa 480
 atatac 486

<210> 30
 <211> 240
 <212> DNA
 <213> Homo sapien

<400> 30
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 aatgtctctt gacccaggtt ccaagttcac cctgttgctt gttcttcttc ccaccttttg 120
 gggttctata actgcatccc ccacacatct ttcaccacca cccatacat accagctctc 180
 ctgttgtggg attcaggaca taggaagagt tgctgaaggc acgggtgctt ttgggattcg 240

<210> 31
 <211> 233
 <212> DNA
 <213> Homo sapien

<400> 31
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 tgggggaagc catccaagag aagatccaag agaaggctgt gaagcgggag gacctgttca 120
 tcgtcagcaa gttgtggccc actttctttg agagaccctt tgtgaggaaa gcctttgaga 180
 agacctcaa ggacctgaag ctgagctatc tggacgtcta tcttattcac tgg 233

<210> 32
 <211> 233
 <212> DNA
 <213> Homo sapien

<400> 32
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 ctgtgtgtac tctgtccagt tccttttagaa aaaatggatg cccagaggac tcccaaccct 120
 ggcttggggg caagaaacag ccagcaagag ttaggggcct tagggcactg ggctgttgtt 180
 ccattgaagc cgactctggc cctggccctt acttgcttct ctagctctct agg 233

<210> 33
 <211> 319
 <212> DNA
 <213> Homo sapien

<400> 33
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 ctggaattgc ttggttctcc tccatgtggc ctctccagta ggctagctca ggcttattca 120
 catgatggct tcaggattcc aaagagagt agagtagaag ctgaaagact tcttgagttc 180
 ttggcctgga actgggacta ggacagtgtc acttctgcta agttcttttg gtcagagcaa 240
 atcacaaggc tttaccaga ttcaagggat gagaaacaga ctacatgtct tgatgagggg 300
 aaccacaaag agcttgtgg 319

<210> 34
 <211> 340
 <212> DNA
 <213> Homo sapien

<400> 34
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 ggtacaaatg acctcagcgt gacagcaaac aggacagaga agaccaggct cttactcagg 180
 aatccaccag ccaggagaat gacaatgttg aacaccgga cctgatgat atctgtcaca 240
 tttgtaagggt tgatttcaga gtcaggagt gagacatcgg cagttgactt ggggtggagct 300
 tgggtcacag ttctggggct ggtatagagt gggcacaagg 340

<210> 35
 <211> 170
 <212> DNA
 <213> Homo sapien

<400> 35
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 ggcaggagaa tccacggatg taatgttttc acctttttcc ctgaggggtgc tttctgagga 120
 accagycctt aagaggtggg gtcttgatt cctgaccag gcgtccggca 170

<210> 36
 <211> 475
 <212> DNA
 <213> Homo sapien

<400> 36
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 ttgatctccc acaccaaag agaaaataat atttatatgg aagtaatttt attttagtgt 180
 ttgtgattta ttgtggagag caggtgttta aaaatttttag aatttcttta acaaaattct 240
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 caaaacaaat aactttggtt tttccccttt tactttggtt taaatgttga ccaagattca 360
 attttttttc ctgccaaata aaacttcaat aaaagtttag aggcaaaata acgtattttc 420
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<210> 37
 <211> 246
 <212> DNA
 <213> Homo sapien

<400> 37
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cgaaggagat ctggtctccc acaatgaagg tcttgctccc ctggttctgg gacagcaggg 180
 tctcaaaagg cttcagttgc ccgggcagtg ccttcacata gtcattccttg cccacctcat 240
 agttgg 246

<210> 38
 <211> 512
 <212> DNA
 <213> Homo sapien

<400> 38
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 aagaaaaaag tgactttcaa ctcttcttcc atcattttta tcatcaccag tgatgaatca 120
 ctgtcagttg acgacagcga caaaaccaat gggtcctaaag ttgatgtaat ccaagttcgt 180
 cctttgtagg aatgaagaat ggcaacgaaa gatggggcct taaattggat gccacttttg 240
 gactttcatc ataagaagtg tctggaatac ccgttctatg taatatcaac agaaccttgt 300
 ggtccagcag gaaatccgaa ttgcccatac gctcttgggc ctgaggaaga ggttgaacaa 360
 aaacaaattc ttttaattca acgggtgctt tacataatga aaaaaccact tgtggcacac 420
 gatgggcac taaatcatc atcttctaat gtgttgagga ttttcatttc aaatatattt 480
 tttaaattac tctattttcc aaaacacgta at 512

<210> 39
 <211> 370
 <212> DNA
 <213> Homo sapien

<400> 39
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 atgtactcga ctctgtccta tttagccttc ccatacctga cttctaatac cttttcctgg 120
 tgccctycca tctccctaac cccccctcac agggatgcct cctcccaagg ctccagaaac 180
 tctgacctc gactgctgg agggagccca tgaattgctg gtcaatatcg ctcatcctct 240
 akactccatc ctgcgtgtgc ttcttctac aagagctaga gaggcactga ctgataaata 300
 cctgtcacct gcccctttcc cagagggtga aactccaccc actccactg cagaaatgaa 360
 tcttaaatgg 370

<210> 40
 <211> 204
 <212> DNA
 <213> Homo sapien

<400> 40
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 ggagcagagc agaccttgtt tttagtgggt ccatgggata aaatgggatt ggaggagcta 120
 gaagaattca gggctctggc caatctgcca gtcttcttga aatatcgaaa atacaccagg 180
 gctgctatat cagagccacc ctgg 204

<210> 41
 <211> 447
 <212> DNA
 <213> Homo sapien

<400> 41
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 tcaagcaagc acttgacaag attccacagg ccatagagat tttcttctga gaagaatttg 120
 tgtttaattt tttgatacca aactgaaca ttcacaggg aactttcctg aagttcagct 180

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<210> 42
<211> 498
<212> DNA
<213> Homo sapien
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<210> 43
<211> 312
<212> DNA
<213> Homo sapien
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<210> 44
<211> 417
<212> DNA
<213> Homo sapien
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<210> 45
<211> 494
<212> DNA
<213> Homo sapien
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<400> 45

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gtgtgcatgc	atgtgtgcag	gagcttgac	gtttgtggtg	ggtacatgta	catatgtgag	180
tgatcctgtg	tgcaagcccc	catgtggaca	tggctatgag	tgagcgtgga	gccaaaagcc	240
aggtaacacg	catgcagcag	cccactgtg	cgtgtctgag	acggtctgtg	gcagggactg	300
ggtgtgaatc	atgcagcagg	cccactgtgc	gtgtctgaga	cggctctgtg	cagggactgg	360
gtgtgaatca	gtgaccgtgt	ctctgaccaa	catgctgaat	tacaaattga	taatttatta	420
acctgtgcag	caacaaataa	gatttttcaa	aactcaacaa	agtgtcctaaa	gttgacatta	480
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<210> 46

<211> 516

<212> DNA

<213> Homo sapien

<400> 46

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gtcattttgat	cattcaactc	tttgtcagtg	gcaactccc	ctattttggt	gtgttggttt	180
gttactacac	agtgcagcaca	aacatgggtg	tccaatacag	aggctcttcc	tgtcagggtg	240
caaccagaaa	gttcatctaa	cactgtgata	tttgcatcct	tcttgaacag	ttgttggtg	300
aagattcatt	tgatgaatcg	atttttcaaa	agagatgatt	cttgggttctt	ccgagcgctc	360
agctctcccc	ccgagcttct	ttgagacgtc	ctcagggtgc	ctttgacgat	gcgtcctcca	420
ctttcacaca	ctctagcatt	ccttcaactg	gggtcttcatt	gccccacatt	gggcagccag	480
gaatgttggg	gtgatcagac	acaacaccag	gtcatg			516

<210> 47

<211> 459

<212> DNA

<213> Homo sapien

<400> 47

ccaattcaga	gtggcattct	gcattttctgt	ggcttccaag	tcttagaacc	tcaactgaca	60
tatagcattg	ggcacactcc	agcagacgcc	cgaattcaaa	tcctggaagg	atggaagaaa	120
cgcttgagga	atattttgga	tgagacacca	ctgtattttg	ctccaagcag	cctctttgac	180
ctaaacttcc	aggcaggatt	cttaatgaaa	aaagagggtac	aggatgagga	gaaaaacaag	240
aaattttggc	tttctgtggg	ccatcacttg	ggcaagtcca	tccaactga	caaccagatc	300
aaagctagaa	aatgagattc	cttagccttg	atttccttct	aacatgttat	caaactctgg	360
tatctttcca	ggcttccctg	acttgcttta	gtttttaaga	tttgtgtttt	tctttttcca	420
caaggaataa	atgagaggga	atcgaksaaa	aaaaaaaaa			459

<210> 48

<211> 430

<212> DNA

<213> Homo sapien

<400> 48

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agccttctga	actgagtgaa	aatacagcca	agatcttggc	aaagcttctc	cctcagtatt	180
tagaccagga	tctctatatt	gttattaatg	gtgggtgttg	ggaaaccacg	gagctcctga	240
agcagcgatt	tgaccacatt	ttctatacgg	gaaacactgc	ggttggcaaa	attgtcatgg	300
aagctgctgc	caagcatctg	accctgtgta	ctcttgaact	gggagggaaa	agtccatgtt	360

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<210> 49
<211> 288
<212> DNA
<213> Homo sapien
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<210> 50
<211> 411
<212> DNA
<213> Homo sapien
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<210> 51
<211> 503
<212> DNA
<213> Homo sapien
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<210> 52
<211> 503
<212> DNA
<213> Homo sapien
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tcagttgtaa	ataatgaatt	aggggccaaa	atgcaaaacg	aaaaatgaag	cagctacatg		180

tagttagtaa	tttctagttt	gaactgtaat	tgaatattgt	ggcttcatat	gtattatttt	240
atattgtact	tttttcatta	ttgatggttt	ggactttaat	aagagaaatt	ccatagtttt	300
taatatccca	gaagtgagac	aatttgaaca	gtgtattcta	gaaaacaata	cactaactga	360
acagaagtga	atgcttatat	atattatgat	agccttaaac	cttttccctc	taatgcctta	420
actgtcaaat	aattataacc	ttttaaagca	taggactata	gtcagcatgc	tagactgaga	480
ggtaaact	gatgcaatta	aga				503

<210> 53
 <211> 531
 <212> DNA
 <213> Homo sapien

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ccgcccata	gaacagtgat	actctcccaa	cagatttcat	ccaccccgtc	tccactaaact	180
tttgccataa	aaattcctct	gaattgtatc	ttcttggaag	aagtaaatat	ctgttcgact	240
atacaaagaa	acagagaaac	cactcccatt	gcaatcaatc	ttcaagagag	ggagcaggca	300
agccgtgttc	tttctgctga	gttttataga	ctctgacaag	ctgtgaaata	aacataaaca	360
gaagacaaaa	cagtgccaca	aataagcagt	agatgaccct	gtgacaagac	ggcattgcag	420
aacaaagact	gacgtttaa	ggggagtc	gcagagtaac	atgggaacac	aagcctgaca	480
acctggtcag	cttccactta	ctctagctcc	tttgaactct	caacactaaa	a	531

<210> 54
 <211> 450
 <212> DNA
 <213> Homo sapien

ccatgggtgt	ctggagcwcc	ctgaaactgt	atcaaagttg	tacatatttc	caaacatttt	60
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aggcatttaa	agatgtttct	ggcattttct	ttttatttgt	aagggtggtg	taactatggt	180
tattggctag	aaatcctgag	ttttcaactg	tatatatcta	tagtttgtaa	aaagaacaaa	240
acaaccgaga	caaacccttg	atgctccttg	ctcggcgttg	aggctgtggg	gaagatgcct	300
tttgggagag	gctgtagctc	agggcggtgca	ctgtgaggct	ggacctgttg	actctgcagg	360
gggcatccat	ttagcttcag	gttgtcttgt	ttctgtatat	agtgacatag	cattctgctg	420
ccatcttagc	tgtggacaaa	ggggggctcag				450

<210> 55
 <211> 648
 <212> DNA
 <213> Homo sapien

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caagtcaaaa	gacattgttc	tggttgccta	tagtgctctg	ggatcccacc	gagaagaacc	180
atgggtggac	ccgaactccc	cggtgctcct	ggaggacca	gtcctttgtg	ccttggcaaa	240
aaagcacaag	cgaacccag	cctgatttgc	cctgcgctac	cagctrcagc	gtggggttgt	300
ggtcctggcc	aagagctaca	atgagcagcg	catcagacag	aacgtgcagg	tgtttgaatt	360
ccagttgact	tcagaggaga	tgaaaagccat	agatggccta	aacagaaatg	tgcatattt	420
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agggcattgc	atgaggtctg	ccagaaggcc	ctgcgtgtgg	atgggtgacac	agaggatggc	540
tctatgctgg	tgactggaca	catcgctct	ggttaaactc	ctcctgcttg	gygayttcag	600

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648

<210> 56
<211> 536
<212> DNA
<213> Homo sapien

<400> 56
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gaacctcctg tacttaaaaca cgattcgcaa cgttctgtta tttttttgt atgttttagaa 180
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gcttgccgt aatcatggtc atagctgttt cctgtgtgaa attgttatcc gtcacaatt 480
ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagt 536

<210> 57
<211> 391
<212> DNA
<213> Homo sapien

<400> 57
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ttcttttttg atccttaata gaaaactcaa t 391

<210> 58
<211> 455
<212> DNA
<213> Homo sapien

<400> 58
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<210> 59
<211> 398
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(398)
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<400> 59
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 aatagatcgc ggattcaggt gtggctctat gagcaagtga atatgcggat agaaggctgt 180
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 aaaacaaagt caagaaaaca actngntcgg atcatgctaa aaggagataa tattactctg 300
 ctacaaagtg tctccaacta gaaatgatca atgaagtga aaattgttga gaaggataca 360
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<210> 60
 <211> 532
 <212> DNA
 <213> Homo sapien

<400> 60
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 agagcgagca ggaaaagagg tcttggagcc tgggactgat ggtggataag gcctggaaaag 480
 aasatgacsa ggaggaggag agaggggaagt ggggtgatga ggagcaggct ga 532

<210> 61
 <211> 466
 <212> DNA
 <213> Homo sapien

<400> 61
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 gatcggaaaaa cttcgaggaa ttgctcaaag tgctgggggt gaatgtgat ctgaggaaga 180
 ttgctgtggc tgcagcgtcc aagccagcag tggagatcaa acaggaggga gacactttct 240
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 ataaaatggt ctgtgagcag aagctcctga agggagaggg cccaagacc tcgtggacca 420
 gagaactgac caacgatggg gaactgatcc tgaccatgac ggcgga 466

<210> 62
 <211> 548
 <212> DNA
 <213> Homo sapien

<400> 62
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 caccaagttc tgatatcttt taaagacata gttcaaaatt gcttttgaaa atctgtattc 180
 ttgaaaatat ccttgttgtg tattaggttt ttaaatacca gctaaaggat tacctcactg 240
 agtcatcagt accctcctat tcagctcccc aagatgatgt gtttttgctt accctaagag 300

gactttctgag acctggggca cccgggcctt tgcggcagct actggcaggg cctggccacc 60
 tcataggact cagttccctt ctgaacactc gggggacatg ggctctaac tgcccactct 120
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 acagaaaaaa acctggcact ttgattttca tgggatggtc ctaacagggt cagtcacctc 240
 cgagcagttt ggggaacccag tttcttgtcc tgggcccctca ggtcagcctg gctgaattag 300
 gacccttctt tggcacaggg gtgagaaaaga gcttggggaa cgcttggcat tatggagggc 360
 tgggaaggggc tcaaccccga tttggagaga agtttgggat ggagtgggag agagattgag 420
 agagcgagca ggaaaagagg tcttggagcc tgggactgat ggtggataag gcctggaaaag 480
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<210> 63
<211> 547
<212> DNA
<213> Homo sapien
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<210> 64
<211> 528
<212> DNA
<213> Homo sapien
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<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G
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<210> 65
<211> 547
<212> DNA
<213> Homo sapien
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<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G
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<400> 65

kgaatgaasa	acgaacgctg	gaagtagaaa	tagagcctgg	ggtgagagac	ggcatggagt	60
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gaatcaaagt	tgtcaagcac	ccaatatttg	aaaggagagg	agatgatttg	tacacaaatc	180
tgacagtctc	attagttgag	tactgggttg	gctttgagat	ggatattact	cacttggaatg	240
gtcacaaggt	acatatttcc	cgggataaga	tcaccaggcc	aggagcgaag	ctatggaaga	300
aaggggaagg	gctccccaac	tttgacaaca	acaatatcaa	gggctctttg	ataatcactt	360
ttgatgtgga	ttttccaaaa	gaacagttaa	cagaggaagc	gagagaangt	atcaaacagc	420
tactgaaaca	agggtcagtg	cagaaggat	acaatggact	gcaaggatat	tgagagtga	480
taaaattgga	ctttgtttta	aataaagtga	ataagcgata	tttattatct	gcaagggttt	540
ttttgtg						547

<210> 66

<211> 535

<212> DNA

<213> Homo sapien

<400> 66

ggggagggtct	acgcttctag	agcttgagcc	agcggggcgga	ccctgcagtg	gcaggactcg	60
gcaccgcgcc	ctccaccgcc	ggttggtggc	ctgcgtgaca	gtttcctccc	gtcgacatcg	120
aaaggaagcc	ggacgtgggc	gggcagagag	cttcatcgca	gtaggaatgg	cagccccatc	180
tatgaaggaa	agacaggtct	gctggggggc	ccgggatgag	tactggaagt	gtttagatga	240
gaacttagag	gatgcttctc	aatgcaagaa	gttaagaagc	tctttcgaat	caagttgtcc	300
ccaacagtgg	ataaaatatt	ttgataaaag	aagagactac	ttaaaattca	aagaaaaatt	360
tgaagcagga	caatttgagc	cttcagaaac	aactgcaaaa	tcctaggctg	ttcataaaga	420
ttgaaagtat	tctttctgga	cattgaaaaa	gctccactga	ctatggaaca	gtaatagttt	480
gaatcatagt	gaacatcaat	acttgttccc	tatatacgac	acttgataat	taaga	535

<210> 67

<211> 527

<212> DNA

<213> Homo sapien

<400> 67

attttctgcca	cttaattcaa	acagtcatat	gcaggctcgct	taattttattt	gtgcttttgt	60
ttcatcttct	acaaggccct	cttagctcta	aaacttgaca	gtggaataag	gaaatgtttt	120
tccaaatctg	cattgccggt	gagatcctca	acatcagcat	gttgagatgg	acctcaaccc	180
cacctctaac	cctgaaacac	actactcgat	attatcttag	gtatgtttta	gggtttagtt	240
tgtaaaataa	taattttattt	ttgaaggaaa	tataaaatat	taaagagtaa	taatagctat	300
cattttttta	gattcaatct	aaaacaatgg	actctttttt	tttccatttg	tgatgtagat	360
aagcaagaca	atthttgatca	tgagtgggtga	aaagaggatc	aaacttgact	attcttgcaa	420
tggcagtcca	gcaacaagcc	tttcatattac	attaaattat	aacttttcat	tcatttcctaa	480
accaaactta	aaattctgct	ttcctttgag	tagaagggtat	ttaactt		527

<210> 68

<211> 431

<212> DNA

<213> Homo sapien

<400> 68

gggaaacttc	atgggtttcc	tcatctgtca	tgtcgatgat	tatatatgga	tacatttaca	60
aaaataaaaa	gcgggaattt	tccttctgct	tgaatattat	ccctgtatat	tgcatgaatg	120
agagatttcc	catatttcca	tcagagtaat	aaatatactt	gctttaattc	ttaagcataa	180
gtaaacatga	tataaaaaata	tatgctgaat	tacttgtgaa	gaatgcattt	aaagctattt	240

taaatgtgtt	tttatttgta	agacattact	tattaagaaa	ttggttatta	tgcttactgt	300
tctaactctg	tggttaaagg	attcttaaga	atttgcaggt	actacagatt	ttcaaaactg	360
aatgagagaa	aattgtataa	ccatcctgct	gwtcctttag	tgcaatacaa	taaaactctg	420
aaattaaaac	t					431

<210> 69

<211> 399

<212> DNA

<213> Homo sapien

<400> 69

gacacggcgg	acacacacaa	acacagaacc	acacagccag	tcccaggagc	ccagtaatgg	60
agagccccaa	aaagaagaac	cagcagctga	aagtcgggat	cctacacctg	ggcagcagac	120
agaagaagat	caggatacag	ctgagatccc	agtgcgcgac	atggaagggtg	atctgcaaga	180
gctgcatcag	tcaaaccacc	gggataaatc	tggatttggg	ttccggcgtc	aagggtgaaga	240
taatacctaa	agaggaacac	tgtaaaatgc	cagaagcagg	tgaagagcaa	ccacaagttt	300
aatgaagac	aagctgaaac	aacgcaagct	ggttttatat	tagatatttg	acttaaaacta	360
tctcaataaa	gttttgcagc	tttcaccaar	aaaaaaaa			399

<210> 70

<211> 479

<212> DNA

<213> Homo sapien

<400> 70

cgcgggcggag	ctgtgagccg	gcgactcggg	tccctgaggt	ctggattctt	tctccgctac	60
tgagacacgg	cggacacaca	caaacacaga	accacacagc	cagtcccagg	agcccagtaa	120
tggagagccc	caaaaagaag	aaccagcagc	tgaaagtcgg	gatcctacac	ctgggcagca	180
gacagaagaa	gatcaggata	cagctgagat	cccagggtgct	gggaagggaa	atgcgcgaca	240
tgggaaggta	tctgcaagag	ctgcatcagt	caaacaccgg	ggataaatct	ggatttgggt	300
tccggcgta	aggtgaagat	aatacctaaa	gaggaacact	gtaaaatgcc	agaagcaggt	360
gaagagcaac	cacaagttta	aatgaagaca	agctgaaaca	acgcaagctg	gttttatatt	420
aggatatttg	acttaaaacta	tctcaataaa	gttttgcagc	tttcaccaa	aaaaaaaa	479

<210> 71

<211> 437

<212> DNA

<213> Homo sapien

<400> 71

ctcagcggct	gccaacagat	catgagccat	cagctcctct	ggggccagct	ataggacaac	60
agaactctca	ccaaaggacc	agacacagtg	rgcaccatgg	gacagtgtcg	gtcagccaac	120
gcagaggatg	ctcaggaatt	cagtgatgtg	gagagggcca	ttgagaccct	catcaagaac	180
tttcaccagt	actccgtgga	gggtgggaag	gagacgctga	ccccttctga	gctacgggac	240
ctgggtcacc	agcagctgcc	ccatctcatg	ccgagcaact	gtggcctgga	agagaaaatt	300
gccaacctgg	gcagctgcaa	tgactctaaa	ctggagttca	ggagtttctg	ggagctgatt	360
ggagaagcgg	ccaagagtgt	gaagctggag	aggcctgtcc	gggggcactg	agaactccct	420
ctggaattct	tggggggg					437

<210> 72

<211> 561

<212> DNA

<213> Homo sapien

<400> 72

ggatgggtata	ctgtaaattc	agcatatgga	gataccatta	tcataccttg	ccgacttgac	60
gtacctcaga	atctcatgtt	tggcaaatgg	aaatatgaaa	agcccgatgg	ctccccagta	120
tttattgcct	tcagatcctc	tacaaagaaa	agtgtgcagt	acgacgatgt	accagaatac	180
aaagacagat	tgaacctctc	agaaaactac	actttgtcta	tcagtaatgc	aaggatcagt	240
gatgaaaaga	gatttgtgtg	catgctagta	actgaggaca	acgtgtttga	ggcacctaca	300
atagtcaagg	tgttcaagca	accatctaaa	cctgaaattg	taagcaaagc	actgtttctc	360
gaaacagagc	agctaaaaaa	gttgggtgac	tgcatttcag	aagacagtta	tccagatggc	420
aatatcacat	ggtagaggaa	tggaaaagtg	ctacatcccc	ttgaaggagc	ggtggtcata	480
atTTTTTaaaa	aggaaatgga	cccagtgact	cagctctata	ccatgacttc	caccctggag	540
tacaagacaa	ccaaggctga	c				561

<210> 73

<211> 916

<212> DNA

<213> Homo sapien

<400> 73

ggagaaaata	aggtggagtc	ctacttgttt	aaaaaatatg	tatctaagaa	tgttctaggg	60
cactctggga	acctataaag	gcaggtattt	cgggccctcc	tcttcaggaa	tcttcctgaa	120
gacatggccc	agtcgaaggc	ccaggatggc	ttttgctgcg	gccccgtggg	gtaggagggg	180
cagagagaca	gggagagtca	gcctccacat	tcagaggcat	cacaagtaat	ggcacaattc	240
ttcggatgac	tgcagaaaat	agtgttttgt	agttcaacaa	ctcaagacga	agcttatttc	300
tgaggataag	ctcttttaaag	gcaaagcttt	atTTTcatct	ctcatctttt	gtcctcctta	360
gcacaatgta	aaaaagaata	gtaatatcag	aacaggaagg	aggaatggct	tgctggggag	420
cccatccagg	acactgggag	cacatagaga	ttcacccatg	tttgttgaac	ttagagtcac	480
tctcatgctt	ttcttttataa	ttcacacata	tatgcagaga	agatatgttc	ttgttaacac	540
tgtatacaac	atagccccaa	atatagtaag	atctatacta	gataatccta	gatgaaatgt	600
tagagatgct	atatgatata	actgtggcca	tgactgagga	aaggagctca	cgcccagaga	660
ctgggctgct	ctcccggagg	ccaaacccaa	gaaggctctg	caaagtcagg	ctcagggaga	720
ctctgccctg	ctgcagacct	cgggtgtggac	acacgctgca	tagagctctc	cttggaaaaca	780
gaggggtctc	aagacattct	gcctacctat	tagcttttct	ttatTTTTT	aactTTTTT	840
ggggaaaagt	atTTTTtgaga	agtttgtctt	gcaatgtatt	tataaatagt	aaataaagt	900
tttaccatta	aaaaaa					916

<210> 74

<211> 547

<212> DNA

<213> Homo sapien

<400> 74

agtggcatta	acttttagaa	tttgggctgg	tgagattaat	tttttttaat	atcccagcta	60
gagatatggc	ctttaactga	cctaaagagg	tgtgttgtga	tttaattttt	tcccgttcct	120
ttttcttcag	taaaccacac	aatagtctaa	ccttaaaaaat	tgagttgatg	tccttatagg	180
tcactacccc	taaataaacc	tgaagcaggt	gttttctctt	ggacatacta	aaaaatacct	240
aaaaggaagc	ttagatgggc	tgtgacacaa	aaaattcaat	tactgtcatc	taatgccagc	300
tgttaaaagt	gtggccactg	agcattttgat	tttataggaa	aaaatagtat	ttttgagaat	360
aacatagctg	tgctatttga	catctgtttg	aggacatccc	agattttgctt	atactcagtg	420
cctgtgatat	tgagtttaag	gattttgaggc	aggggtaatt	attaaacata	ttgcttctat	480
tcttgaaaaa	atagaagkgt	aaaatgttaa	taatacaaat	gtcactgtga	cctcctccac	540
tgagagg						547

<210> 75

<211> 793

<212> DNA
<213> Homo sapien

<400> 75

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gttctcagtg	aaaatccaaa	aaccagaaaa	aaatgtttat	acaaccctaa	gtcaataaacc	120
tgaccttaga	aaattgtgag	agccaagttg	acttcaggaa	ctgaaacatc	agcacaaaga	180
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gagggaaatt	gtggagttag	cctcctgtgg	agttagcctc	ctgtggtaaa	ggaattgaag	300
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atccattaga	gaaaaatcct	tgtcaccaga	ttcattacaa	ttcaaatcga	agagttgtga	420
actgttatcc	cattgaaaag	accgagcctt	gtatgtatgt	tatggataca	taaaatgcac	480
gcaagccatt	atctctccat	gggaagctaa	gttataaaaa	taggtgcttg	gtgtacaaaa	540
ctttttatat	caaaaggctt	tgacacatttc	tatatgagtg	ggtttactgg	taaattatgt	600
tattttttac	aactaatttt	gtactctcag	aatgtttgtc	atatgcttct	tgcaatgcac	660
attttttaac	ctcaaacggt	tcaataaaac	cattttttcag	atataaagag	aattacttca	720
rattgagtaa	ttcagaaaaa	ctcaagattt	aagttaaaaa	gtggtttgga	cttggggaaca	780
ggactttata	cct					793

<210> 76
<211> 461
<212> DNA
<213> Homo sapien

<400> 76

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tgaacagaga	gcctaaatga	catctaagaa	aggcagtggt	caataccagg	tattaggtga	120
ggatgggatt	ctaaggacat	cagtggggagg	cagggagcca	ccttcagacc	tcagcatgga	180
agcttccaag	atccagagga	agaggcaaca	gcactgagag	tcataggtag	aagaatcatc	240
acagccctgc	taaccaggca	gctgatgccc	ctctccccctg	gctccctgtg	tccaaatcct	300
acaggggcat	ctgttggtcg	aactcaacct	gaagccaaag	agaagatgag	tgagagaggg	360
caacatttat	agagctcagg	tttctagggc	tggagagggg	tctggagggg	cacacaggag	420
acacctggca	taaccaaaaa	atgattaaaa	aaaaaaaaaa	a		461

<210> 77
<211> 642
<212> DNA
<213> Homo sapien

<400> 77

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gctgtgagac	tacctattgt	agatattgca	ccctatgaca	ttggtggtcc	tgatcaagaa	120
tttggtgtgg	acgttggccc	tgtttgcttt	ttataaaacca	aactctatct	gaaatcccaa	180
caaaaaaaaa	ttaactccat	atgtgttcc	cttggttctaa	tcttggtcaac	cagtgcaggt	240
gaccgacaaa	attccagtta	tttatttcca	aaatgttttg	aaacagtata	atttgacaaa	300
gaaaaatgat	acttctcttt	ttttgctgtt	ccaccaata	caattcaa	gctttttgtt	360
ttattttttt	accaattcca	atttcaaaa	gtctcaatgg	tgctataata	aataaacttc	420
aacactcttt	atgataacaa	aaaaaarawa	wattctttga	atcctagccc	atctgcagag	480
caatgactgt	gctcaccagt	aaaagataac	ctttctttct	gaaatagtca	aatacgaat	540
tagaaaagcc	ctccctat	taactacctc	aactggtcag	aaacacagat	tgtattctat	600
gagtcaccaga	agatgaaaaa	aattttat	gttgataaaa	ct		642

<210> 78
<211> 519

<400> 78

<210> 79

<212> DNA

<400> 79

<210> 80

<212> DNA

<400> 80

<210> 81

<212> DNA

<220>

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<400> 81

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tagcaaaccg	agcgatcatg	tgcacaaaac	aaatttacta	ttcggacaaa	tacgacsacg	120
aggagtttga	statcgacat	gtcatgctgc	ccaaggacat	akccaasctg	gtccctaata	180
cccatctgat	gtctgaatct	gaatggagga	atcttggcng	ttcagmagan	tcagggatgg	240
gtccattata	tgatccatga	nccagaacct	cdcatcttgc	tgttccggcg	ccccacttac	300
cccaanaaac	caamgaaatg	aaccttggct	actacttttc	aatcctcaaa	kccttttcaca	360
vhtgaccttc	cttcctaaca	ttctttmtga	taaacattta	ttaag		405

<210> 82

<211> 547

<212> DNA

<213> Homo sapien

<400> 82

tagtttttaa	gaagaaat	tttttggcct	atgaaattgt	taaacctgga	acatgacatt	60
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catttacata	atatagaaag	atatgcatat	atctagaagg	tatgtggcat	ttatttggat	180
aaaattctca	attcagagaa	atcatctgat	gtttctatag	tcactttgcc	agctcaaaaag	240
aaaacaatac	cctatgtagt	tgtggaagtt	tatgctaata	ttgtgtaact	gatattaaac	300
ctaaatgttc	tgcctaccct	gttgggtataa	agatattttg	agcagactgt	aaacaagaaa	360
aaaaaaatca	tgcattctta	gcaaaattgc	ctagtatggt	aatttgctca	aaatacaatg	420
tttgatttta	tgcactttgt	cgctattaac	atcctttttt	tcatgtagat	ttcaataatt	480
gagtaatttt	agaagcatta	tttttaggaat	atatagtktg	cacagtaaat	atcttgtttt	540
ttctatg						547

<210> 83

<211> 529

<212> DNA

<213> Homo sapien

<400> 83

ctatttctaag	agatgctctt	agtgatcttg	cattacactt	tctgaataaa	atgaagatca	60
tgggtgattaa	ggatattgaa	agagaagaca	ttgaattcat	ttgtaagaca	attggaacca	120
agccagttgc	tcatattgac	caattttactg	ctgacatgct	gggttctgct	gagttagctg	180
aggaggtcaa	tttaaatggg	tctggcaaac	tgctcaagat	tacaggctgt	gccagccctg	240
gaaaaacagt	tacaattggt	gttcgtgggt	ctaacaaact	ggtgattgaa	gaagctgagc	300
gtccattca	tgatgcccta	tgtgttattc	gttgttttagt	gaagaagagg	gctcttattg	360
caggaggtgg	tgctccagaa	atagagttgg	ccctacgatt	aactgaatat	tcacgaacac	420
tgagtggat	ggaatcctac	tgcgttcgtg	cttttgcaga	tgctatggag	gtcattccat	480
ctacactagc	tgaaaatgcc	cggcctgaat	cccatttcta	cagtaacag		529

<210> 84

<211> 527

<212> DNA

<213> Homo sapien

<400> 84

cccatcacca	gaatcccttc	atgggagggg	tggatgcctg	ttgaaactca	ctgacctatt	60
ggactgacgc	tgggggtggt	tcttcatcag	agctattgta	agtcattcaa	aaggcttctg	120
acgaaagaac	aattttttaa	aagtccctct	tttcaatcaa	gccaatgtcc	tattttattt	180
ctaaaagt	tgggactcgt	gctgttatca	agtacaatga	aaatggcttt	ataaatagct	240
gttttgacat	tgtgatagaa	ggcttgaata	cggaggaaaag	atgtcgctgg	agctagtccct	300
gagttccgac	tgtccctgtg	gtgggaatcc	agtctgggaa	agcaggactg	ttttagcaaa	360
cgtgtactcg	ttctataaaa	atggaatctg	ttctgcagggt	taccgtccct	ccccgcccaa	420
gcatcccttc	tgtcctgtct	ctctgctgct	gggacccagg	gctttttcag	ctgcagaacc	480

527

<400> 85

<400> 86

<400> 87

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<210> 88
<211> 529
<212> DNA
<213> Homo sapien
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<400> 88

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atcttttcta	taagtttaca	gcctttttct	tatatataca	gttattgcca	cctttgtgaa	180
catggcaagg	gactttttta	caatttttat	tttattttct	agtaccagcc	taggaattcg	240
gttagtactc	atttgtattc	actgtcactt	tttctcatgt	tctaattata	aatgaccaaa	300
atcaagattg	ctcaaaagg	taaatgatag	ccacagtatt	gctccctaaa	atatgcataa	360
agtagaaatt	cactgccttc	ccctcctgtc	catgaccttg	ggcacaggga	agttctgggtg	420
tcatagatat	cccgttttgt	gaggtagagc	tgtgcattaa	acttgcacat	gactggaacg	480
aagtatgagt	gcaactcaaa	tgtgttgaag	atactgcagt	cattttttgt		529

<210> 89

<211> 547

<212> DNA

<213> Homo sapien

<400> 89

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cacacaaggt	tatgattttt	ttaattactg	gcttctgatt	tctttcactt	ctgatccttt	120
tctttttct	cagatgtagc	tgagtcttga	tcattttaag	acaacgatgg	gtagaatttt	180
gagattaatg	ttaattttcc	ctttttgtta	atttcagtcc	cctctcacta	tgcttttgtc	240
cagaaggatc	aagaattcta	ccatcccttg	ggtctttgtg	tataaacaat	gttaaataaa	300
ggtagactca	gtctttaaga	tattagacag	tttttttagt	ccatgggatt	gtaaatataa	360
acattaactt	tcctataaga	atattttggc	tttgtaatct	atagcctcaa	attggtattt	420
attatggatt	cactagacaa	acagctgttt	ccttattgtc	ttttttcttt	agtgtttctg	480
atttgcatac	agtagctgtt	tttaaagcca	tccaaggaaa	ataattattt	acagtttttg	540
aagtcac						547

<210> 90

<211> 528

<212> DNA

<213> Homo sapien

<400> 90

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tgtttctttt	acaataagtt	gttgaggaa	tgccattaaa	gtgaactccc	cacctttgca	360
cgctgtgcgg	gctgagtgg	tggggagatg	tggccatgg	cttgtgctag	agatggcggt	420
acaagagtct	gttatgcaag	cccggtgtgc	agggatgtgc	tgggggcggc	caccgctct	480
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<210> 91

<211> 547

<212> DNA

<213> Homo sapien

<400> 91

atataccatt	taatacattt	acactttctt	atttaagaag	atattgaatg	caaaataatt	60
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acaatctcat	cactctgaag	cctataatga	agaaaaagat	ctagaaactg	agttgtggag	180
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raaaawgrmc cmaccttityt taacmtgrac cwccytmatc tctagaagct gggatggact 300
tactatyctk gttwatatatt taaatackga aaggtgctat gcttctgtta ttattccaag 360
actggagata ggcagggcta aaaaggtatt attatttttc ctttaatgat ggtgctaaaa 420
ttcttcctat aaaattcctt aaaaataaag atggtttaat cactaccatt gtgaaaacat 480
aactgttaga cttcccgttt ctgaaagaaa gagcatcggt ccaatgcttg ttcactgttc 540
ctctgtc 547

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<210> 92
<211> 527
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

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tgaaggatag gtggaacaag tggcctcacc aaggteggac cccaatggac tttttgcctc 180
ttgggagctt atgggtctat gaggacacag tagcctttcc tatcagcaaa ctggagtgga 240
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ttctaccctt ttggcaatga ctatccctgg agncatgtgt caaaactgta aagcacaatt 420
tactgtctct tgcggagcac accgctcatg ctctgaatta cacctgaktg tccctcctcc 480
wgktawtgaa tgaggttgat cnvatcagaa adgtggkgtt ggcmeta 527

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<210> 93
<211> 531
<212> DNA
<213> Homo sapien

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<400> 93
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ttacacaatg aaggtttcaa gctgtttgcc acggaagcca catcagactg gctcaacgcc 180
aacaatgtcc ctgccacccc agtggcatgg cegtctcaag aaggacagaa tcccagcctc 240
tcttccatca gaaaattgat tagagatggc agcattgacc tagtgattaa ctttcccaac 300
aacaacacta aatttgacca tgataattat gtgattcgga ggacagctgt tgatagtgga 360
atccctctcc tactaattt tcaggtgacc aaactttttg ctgaagctgt gcagaaatct 420
cgcaaggagg actccaagag tcttttccac tacaggcagt acagtgtgtg aaaagcagca 480
tagagatgca gacaccccag cccattattt aaatcaacct gagccacatg t 531

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<210> 94
<211> 547
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

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<400> 94

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gatgtg	tctc	cattcct	gga	aggtctt	gaa	gaaagacc	ac	agagaa	aggc	acagcct	gct	180
caacctg	ctg	atgaac	ctgc	agaaa	aggct	gatga	accaa	tggaac	atta	agtgata	aagc	240
cagtctat	at	gtattat	c	aaatat	gtaa	gaatac	aggc	accacata	ct	gatgaca	ata	300
atctata	ctt	tgaac	caaaa	gttgc	agagt	ggtgga	atgc	tatgtttt	tag	gaatcag	tcc	360
agatgtg	agt	ttttt	ccaag	caacct	cact	gaaacct	tata	taatgga	ata	cattttt	cct	420
tgaagg	gtc	tgtata	atca	ttttct	tagaa	agtatg	ggta	tctata	ctaa	tgttttt	tata	480
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<210> 95

<211> 1265

<212> DNA

<213> Homo sapien

<400> 95

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ccaagaa	agg	aggaaa	agct	gattttt	gtg	aacgtc	gcta	cttgtg	cctg	aacta	actct	180
caggcac	att	agtcaga	aaa	tactac	ctat	ggttact	ccc	ccagg	ttcct	aaaag	taaag	240
ctttag	aggc	caccaa	attg	gcaatt	gaag	ctggc	ttccg	ccatatt	gat	tctgtc	catt	300
tataca	ataa	tgaggag	cag	gttgg	actgg	ccatcc	gaag	caagatt	gca	gatggc	agt	360
tgaagag	aga	agacat	attc	tacact	ttcaa	agcttt	gggtg	caattccc	at	cgaccag	agt	420
tgggtcc	gacc	agcctt	ggaa	aggtc	actga	aaaatc	ttca	attgg	attat	gttgac	ctct	480
accttatt	tca	ttttcc	agt	tctgt	aaagc	cagg	tgagga	agtga	tcca	aaagat	gaaa	540
atggaaa	aat	actatt	ttgac	acagt	ggatc	tctgtg	ccac	gtggg	aggcc	gtggag	aagt	600
gtaaag	atgc	aggatt	ggcc	aagtcc	atcg	gggtgt	ccaa	cttca	accgc	aggcag	ctgg	660
agatgat	cct	caaca	agcca	gggtc	taagt	acaagc	cctgt	ctgca	accag	gtgga	atgtc	720
atcctta	ctt	caaccag	aga	aaactg	ctgg	atttct	gcaa	gtcaaa	agac	attgtt	cttg	780
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tgattgc	cct	gcgct	accag	ctrcag	cgtg	gggtt	gtggt	cctgg	ccaag	agctaca	atg	960
agcagc	gcat	cagacag	aa	gtgcag	gttt	ttgagt	ttcca	gttgact	gca	gaggac	atga	1020
aagccat	aga	tggccta	aaac	agaaat	gtgc	gatatt	ttgac	ccttgat	att	tttgc	tgcc	1080
ccccta	atta	tccatt	tttct	gatga	aatatt	aacatg	ggag	gcattg	catg	aggtct	ggca	1140
gaaggcc	ctg	cgtgtg	gatg	gtgac	acaga	ggatg	gctct	atgctg	gtga	ctggac	acat	1200
cgcctct	ggt	taaatt	ctctc	ctgctt	gggtg	atttcag	caa	gctac	agcaa	agccc	attgg	1260
ccaga												1265

<210> 96

<211> 568

<212> DNA

<213> Homo sapien

<400> 96

ccagtgt	gggt	ggaatt	cgggt	ttaatt	tacaa	aatttg	atca	cgatcat	atatt	gtagtct	ctc	60
aaagtgc	tct	agaaatt	gtc	agtggt	tttac	atgaagt	ggc	catggg	gtc	tgagac	ccc	120
tgaaa	actgta	tcaaagt	ttgt	acata	ttttc	aaacatt	tttt	aaaatg	aaaa	ggcact	ctcg	180
tgttct	cctc	actctg	tga	ctttg	ctgtt	gggtg	tacaa	ggcatt	ttaa	gatgtt	ctg	240
gcatttt	cctt	tttatt	ttgta	aggtg	gtggt	aactat	ggtt	attgg	ctaga	aatcct	gagt	300
tttca	actgt	atatat	ctat	agttt	gtaaa	aagaac	aaaaa	caaccg	agac	aaacc	cttga	360
tgtc	ccttgc	tggcg	ttga	ggctg	tggg	aagatg	cctt	ttggg	agagg	ctgtag	ctca	420


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gggcgtgcac tgtgaggctg gacctgttga ctctgcaggg ggcattccatt tagcttcagg 480
ttgtcttggt tctgtatata gtgacatagc attctgctgc catcttagct gtggacaaaag 540
gggggtcagc tggcatgaga atattttt 568

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<210> 97
<211> 546
<212> DNA
<213> Homo sapien

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<400> 97
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gggttgatc ctgccagggt gagtggggct cacacgctag ggtgagatgt cagaaaagcgc 120
ttgtatttta aacaaccaa aagaattgta aggggtggctt gctgccaggc ttgcaactgcc 180
gttctctggg gtgtgcatct tcgggaaagg tgggtggcgg gcgtccacta ggtttcctgt 240
cccctgctgc tccttccgta agaaaatgaa atattctatg cctaatactc acacgcaaca 300
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taaagagatt tttacttttg gtctccgtga gtgcgcatct tactaagggt tacacaggaa 420
ttccacctga agacttggtg taaagttcta cagcgcgcac tgtaactga acgtcttttt 480
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aactgc 568

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<210> 98
<211> 547
<212> DNA
<213> Homo sapien

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<400> 98
tactgggtgc caagctatgt gccaggcact ttacatgtat tgatttaaca cttaacagcc 60
actctatatt attccctttt tacagatgag gcaatttaag ctcaaagcat ttaagtagac 120
aaccaacct gaatcacata gcaaatagaca gaagccagag gcctcccaag tctctctaac 180
tccaaacct atgcttactc tactatatca cactaccttg caataggaca aagggaatat 240
gtggtaaaact atgttcccag catctaaaag ccaggagtgg ttttcatttt tctttaagaa 300
gatgatagtg tgatttgaaa catatctgaa tttcagaaga ggggactttt aaaaattgcc 360
actcataagg aaagaaagaa ctttttcaca tatttttgaa agaaacgatg gtgagaagat 420
attcttgata atagagatat gctaacattt gctttgggtg ttttgtaggt tagatttttt 480
tggtgtgtac tttataggct tgcatattgc ttactttaaa cagctgaagt tctaagtaag 540
agtgttc 568

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<210> 99
<211> 122
<212> DNA
<213> Homo sapien

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<400> 99
cagcctttct gtcacatct ccacagccca cccatcccct gagcacacta accacctcat 60
gcaggcccca cctgccaata gtaataaagc aatgtcactt ttttaaaaca aaaaaaaaaa 120
aa 122

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<210> 100
<211> 449
<212> DNA
<213> Homo sapien

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<400> 100

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ctgacggcctt	tgctgtccca	gagccgccta	aacgcaagaa	aagtcgatgg	gacagttaga	60
ggggatgtgc	taaagcgtga	aatcagttgt	ccttaatttt	tagaaagatt	ttggtaacta	120
ggtgtctcag	ggctgggttg	gggtccaaag	tgtaaggacc	ccctgccctt	agtggagagc	180
tggagcttgg	agacattacc	ccttcacag	aaggaatttt	cggatgtttt	cttgggaagc	240
tgttttggtc	cttgggaagca	gtgagagctg	ggaagcttct	tttggctcta	ggtgagttgt	300
catgcgggta	agttgaggtt	atcttgggat	aaaggggtctt	ctagggcaca	aaactcactc	360
taggtttata	ttgtatgtag	cttatatttt	ttactaaggt	gtcaccttat	aagcatctat	420
aaattgagtt	ctttttctta	gttgatgg				449

<210> 101
 <211> 131
 <212> DNA
 <213> Homo sapien

<400> 101						
ccatgttctc	tcttgactac	gcatatgtga	gatttgcccc	tccgccccgc	tcgtgatagc	60
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ccccttgctg	g					131

<210> 102
 <211> 199
 <212> DNA
 <213> Homo sapien

<400> 102						
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acctggattt	tttatgtaca	accctgaccg	tgaccgtttg	ctatattcct	ttttctatga	120
aataatgtga	atgataataa	aacagctttg	acttgaaaaa	aaaaaaaaaa	aaaaaaaaaa	180
aaaaaaaaaa	aaaaaaaaaa					199

<210> 103
 <211> 321
 <212> DNA
 <213> Homo sapien

<400> 103						
tttttttaggt	ttttaaactt	tttatttgca	tattaaaaaa	attgtgcatt	ccaataatta	60
aatcattttg	aacaaaaaaa	aatggcactc	tgattaaact	gcattacagc	ctgcaggaca	120
ccttgggcca	gcttgggttt	actctagatt	tcaactgtcgt	cccaccccca	cttctttcac	180
cccacttttt	ccttcaccaa	catgcaaagt	ctttccttcc	ctgccacca	gataatatag	240
acagatggga	aaggcaggcg	cggccttcgt	tgtcagtagt	tctttgatgt	gaaaggggca	300
gcacagtcac	ttaaacttga	t				321

<210> 104
 <211> 309
 <212> DNA
 <213> Homo sapien

<400> 104						
tttttttttt	tttttatttt	tttttttgca	tcaaaaaact	ttatttccat	ttggcccaag	60
gcttgtttagg	atagttaaaa	aagctgccta	ttggctggag	ggagaggcct	aggcaaaacc	120
cctattactt	tgcaaggggc	ccttcaaaaag	tctctgggct	tctatttcaa	ccgcgatgat	180
gtggctctgg	aaggcgtgag	ccactttttc	cgggaactgg	ccaaggaaaa	gcccaggggc	240
tacaaccgtt	tcctgaaaat	gcaaaaccag	cggggcgggc	gcgctctttt	ccaggacatc	300

aaaaagcca

309

<210> 105

<211> 591

<212> DNA

<213> Homo sapien

<400> 105

cttattttctg	catgggtcgg	agagtgggcg	ggactgcttt	actgagttat	agtgaatgta	60
gttttaacct	aagcgctca	catgactaac	tcctcatcca	tcaagaatga	gctcagctct	120
cacttcccca	ctctcacc	ccctgtaaag	taacctttct	ccaaggttat	gcttcaacag	180
gaatagctaa	catttattaa	attgtggcac	gtaagtatct	tggatatatt	ggctcattga	240
atcctcacac	ctactatatt	acagagatgc	cagtggggct	tgagattgaa	tcacttgccc	300
aggctccac	tgctggtaaa	cagtagagg	ggctcctgac	ccatcagtct	ggcttgacaa	360
cccattccct	caactgcgga	tcccggattc	ccttatcacc	ctgttgattt	ctccataggc	420
tgtggtaaca	tttgttgcac	gaatggaccg	ttgaaatagg	gcctggcagg	gagaaattca	480
ggaaatgaat	gaatggttct	tccctggcag	cctttgatga	cttacaagcc	ccttcaagg	540
ggaaagccat	ttttctccct	gggactcctt	gaaagcccg	gagccctgcc	t	591

<210> 106

<211> 450

<212> DNA

<213> Homo sapien

<400> 106

ctgccactcc	tgcctctgct	accccgaac	cggagaggga	gctcaataat	aacacaggtc	60
ccactaaact	aattaagggtg	ttggcataac	ctgtcattga	attcaagtgt	ccaacaactg	120
tttgcttaaa	atatcattag	acctaataat	tttttcaaag	gcacaaagtt	taaacatggg	180
gggggcgggt	gttgagagg	gtctgggata	cccttaaacc	caaaaaagtg	atttgttccc	240
ccttgccag	aagggtgact	gttccactgg	gcctgtcacc	acaggacatt	ttccatgaca	300
agcactcacc	ttcttgggga	aggggcatca	ggttggcaca	ggaaaggccc	aagtgagggg	360
ccactctgta	cattaatact	ttggtgatta	atgtttgggg	agaggcagga	ttctcaccca	420
cctttttgac	ttcaaact	ctcactcaag				450

<210> 107

<211> 116

<212> DNA

<213> Homo sapien

<400> 107

tgcacgaaag	ttactgtcac	tcagttgtaa	atccatcagc	ttttcacctg	ttaaaaattt	60
tgcaaaatat	acatgttctc	ctcctgtttt	caattcttcc	atcttttttc	ttgagg	116

<210> 108

<211> 291

<212> DNA

<213> Homo sapien

<400> 108

ctgctcgaag	ttgtcaaaac	ccacgtgcag	ggcaatggag	agtccgatgg	ccgaccacag	60
cgagtagcgt	cctcccaccc	aatcccagaa	ctcgaacatg	ttttgagggt	caattccaaa	120
ctccttcact	ttggttgtgt	tagtagacag	ggcaacaaag	tgcttcgcca	ctgcagtagg	180
atccttggcc	gcctggagaa	accactcctt	cgccgtctct	gcattcgtga	tgggtcctctg	240
ggtagtaaa	gtcttggagg	caatgatgaa	caggaggagc	tcgggggttca	g	291

<210> 109
 <211> 662
 <212> DNA
 <213> Homo sapien

<400> 109
 gctgtttcca cagtacgcct gcctcacacc ttgcgatgcg ccaacatcac catcattgag 60
 caccagaagt gtgagaacgc ctaccccggc aacatcacag acaccatggg gtgtgccagc 120
 gtgcaggaag ggggcaagga ctctgccag ggtgactccg ggggccctct ggtctgtaac 180
 cagtctcttc aaggcattat ctctggggc caggatccgt gtgcgatcac ccgaaagcct 240
 ggtgtctaca cgaaagtctg caaatatgtg gactggatcc aggagacgat gaagaacaat 300
 tagactggac ccaccacca cagcccatca ccctccattt ccacttgggtg tttggttcct 360
 gttcactctg ttaataagaa accctaagcc aagaccctct acgaacattc tttgggcctc 420
 ctggactaca ggagatgctg tcaactaata atcaacctgg ggttcgaaat cagtgagacc 480
 tggattcaaa ttctgccttg aaatattgtg actctgggaa tgacaacacc tggtttgctc 540
 tctgttgtat cccagcccc aaaagacagc tcctggacct tgccccgggg cggcccgcctc 600
 ggaaaggggg cgaaatttct tcaagaatat ttccatttcc acaaacttgg ggccgggggc 660
 cc 662

<210> 110
 <211> 323
 <212> DNA
 <213> Homo sapien

<400> 110
 tcctgtgaaa cagcccatctt tctacctac tgtgggttgc tgctcaggag gaacgatata 60
 cgccaatata agcaggaaat ctgcagctcc tctgctatgt gcctcagaac actttcaatt 120
 tttctggtca atgctctgat taggtatcat acataaaagc cagcatatta gtttaaatct 180
 ctaacaaaaa actatatctt ccaaagtcac tatcatttgg gccaatataa tgatcttttc 240
 gtgctttgtt gagcttcac tttagggcat ctcttcttcc ttccattca tgaagttcgg 300
 catttccatg tgcaaattta cag 323

<210> 111
 <211> 336
 <212> DNA
 <213> Homo sapien

<400> 111
 tccagtgcgc tccagcctta tctaggaaag gaggagtggg tgtagccgtg cagcaagatt 60
 ggggcctccc ccatccagc ttctccacca tcccagcaag tcaggatata agacagtcct 120
 cccctgaccc tcccccttgt agatatcaat tctaaacag agccaaatac tctatatcta 180
 tagtcacagc cctgtacagc atttttcata agttatatag taaatggctc gcatgatttg 240
 tgcttctagt gctctcattt ggaaatgagg caggcttctt ctatgaaatg taaagaaaga 300
 aaccactttg tatattttgt aataccacct ctgtgg 336

<210> 112
 <211> 218
 <212> DNA
 <213> Homo sapien

<400> 112
 tttttttttt tttttttttt tccagtcagg agtattttta atcactgtct acagagacac 60
 ctacatacac acacgggtgg ggaatgaacc caaagttttt aggtgaagtc tctcagggcc 120

caccccggtgc cacagacctt cctcggttgc agagattctg ggcaaagcat ccgtgctctc 180
atgagattat cctggggaga tttagaagaa ttttgtgg 218

<210> 113
<211> 533
<212> DNA
<213> Homo sapien

<400> 113
ctgcaccgac agttgcatg aaagttctaa tctcttcct cctcctgttg ctgccactaa 60
tgctgatgtc catggtctct agcagcctga atccaggggt cgccagaggc cacagggacc 120
gaggccaggc ttctaggaga tggctccaga aaggcggcca agaattgtgag tgcaaagatt 180
ggttcctgag agccccgaga agaaaattca tgacagtgtc tgggctgcca aagaagcagt 240
gccccgtgta tcatttcaag ggcaatgtga agaaaacaag acaccaaagg caccacagaa 300
agccaaacaa gcatccaga gcctgccagc aatttctcaa acaatgtcag ctaagaagct 360
ttgctctgcc tttgtaggag ctctgagcgc ccactcttcc aattaaacat tctcagccaa 420
gaagacagtg agcacaccta ccagacactc ttcttctccc acctcactct cccactgtac 480
ccaccctaa atcattccag tgctctcaaa aagcatgttt ttcaagatct aaa 533

<210> 114
<211> 261
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (261)
<223> n = A,T,C or G

<400> 114
ccatatctgc tcggcgctac ttctttcttg gattgatcct gantgatgca ttggcgatgc 60
ctttggagaa ggacatgtga tgtgatggtc ttcacgttcc acatgtactc gggcaaatag 120
ggggacaaac tgaagttaaa caggctcgaaa ctagaggagc tgctgaccct ggagctgacc 180
actttcttgg ggaaaaggac acatgaaggt gctttgcaaa agctgatgag caatctggac 240
accaacatag gacaacaacg t 261

<210> 115
<211> 267
<212> DNA
<213> Homo sapien

<400> 115
cctctcctgt gggttccaga ccctgttcca gcaacaattg ctgggacacc tgggccgact 60
gctccacctc gccaggccct ggccctctcc atctcagccc tgacagccac ccagtgataa 120
acacagcagg cttcctaagc aatgtgacgc accagagggg tgggtgtaca cgttccctt 180
gaagtcatct gaaaattaga gaacagattt gcctcatagc tgaagagaga ccctattcca 240
agcatgaatg gccttgacaa tgttcct 267

<210> 116
<211> 239
<212> DNA
<213> Homo sapien

<400> 116

```
<210> 117
<211> 168
<212> DNA
<213> Homo sapien
```

```
<210> 118
<211> 150
<212> DNA
<213> Homo sapien
```

```
<210> 119
<211> 154
<212> DNA
<213> Homo sapien
```

```
<210> 120
<211> 314
<212> DNA
<213> Homo sapien
```

```
<210> 121
<211> 601
<212> DNA
<213> Homo sapien
```

<400> 121


```

cccgaatcct tgaacaacgc agcgaattca tcaccgatca gtttcatcag cgccgggtcg 300
atctggtggt tcagaaaggc gtcgaccttg agtacctgat cggaaagcac gatgccttct 360
tcgcgaattt tcttgtgcag tgcttccacg aaagcttcct ctggtggcgc aacacgcgcc 420
gaaagtagat taaaaagtag tcgattctag cgctttaaca tcgcgcgtat atccgccagg 480
gcggtattgc cgcgaaacggc tttgacttcg gttggtgtgt cgtcgttgcc ttcccatgcc 540
aggtcacccg gcggcagttc gtcaaggaac cggctggggg cacaatcaat gatctcgccg 600
tactgcttgc 610

```

```

<210> 125
<211> 196
<212> DNA
<213> Homo sapien

```

```

<400> 125
ctatagggct cgagcggccg cccgggcagg taaaaaatca gccctaatt tctccatggt 60
tacacttcaa tctgcaggct tcttaaagt acagtatcct taacctgcc ccagtgtcca 120
ccctccggcc cccgtcttgt aaaaagggga ggagaattag ccaaacactg taagctttta 180
agaagaacaa agtttt 196

```

```

<210> 126
<211> 247
<212> DNA
<213> Homo sapien

```

```

<400> 126
aaattagtta aaaaaatgca ttcctcattt gatatagcca cattccaaat gcttaaaagc 60
cgcatgtatc tagtgactac catactggag agtacaata tagaacttta cccgtcactg 120
cagacagttc tgttggttgc tgcagcattg gacaatatat acagtttgcc tgtatatgag 180
aaagagagag agagagagag tgtgtgtgtg tgtgtgtgtg tgaagtgcaa taaggctgac 240
aggcatc 247

```

```

<210> 127
<211> 590
<212> DNA
<213> Homo sapien

```

```

<400> 127
cctccacggc atggcgcaat tgttgttcag gggccgccag gttgctgcc atgccgatgt 60
agatacgttc cactgtctta ctgccagac gcactcgaag cgtcgccagc gctacgtttg 120
cgcttgctgc cactgctgcg gcgacgcttt ttcgggccat cgccgggtggc ttgcgctttg 180
ctgctgagct ctttgatcat ctgcggcgc tggtgtgctg tggcgtcctg gtagtcggtc 240
caccactcgc caaggccgtc ggtctgttcg ccggcgcttt cagcgagcag caggaagtca 300
tagcccgcca cggaagcgcg ggttgccag caacaggctg gcacgtttgc cgtcgcggcg 360
tggcaggcgc tcctgcatgt ccagatttc acggatcggc atggtgaagc gtttcgggat 420
ggcgatgcgc tggcattgct cggcgatcag ctctgagca gcttctgca tggctggaat 480
tgccggcatg ccacggtctt gcaggcgc atgacgcgtttc gaaagcgcg gccacaacag 540
ggcggcaaa aggaacgcgc gggtagccgc tttgttctgc ttgatgcgca 590

```

```

<210> 128
<211> 361
<212> DNA
<213> Homo sapien

```

```

<400> 128

```



```

ctgccccatgg aaaccctcca ggagctgctg gacctgcaca ggaccagtga gagggaggcc      60
attgaagtct tcatgaaaaa ctctttcaag gatgtaacca aagtttccag aaagaattgg      120
agactctact agatgcaaaa cagaatgaca tttgtaaacy gaacctggaa gcatcctcgg      180
attattgctc ggctttactt aaggatattt ttggtccccct agaagaagca gtgaagcagg      240
gaattttattc taagccagga ggccataatc tcttcattca gaaaacagaa gaactgaagg      300
caaagtacta tcgggagcct cggaaaggaa tacaggctga agaagttctg cagaaatatt      360
t

```

```

<210> 129
<211> 546
<212> DNA
<213> Homo sapien

```

```

<400> 129
aaaaatacaa attcagtaag acttttgctc taacaacaat ttttcaaac gaatcaacaa      60
caaaaaagta tccagtgttt cttttcttat gaagatataa taaaacacag tattggtaag      120
cacatttttaa cagtatgctt ttcttttgta gggaaaggag atatggctat gtctaacatc      180
gtgggatcca atgtgtttga tatgttgctc cttggtattc catggtttat taaaactgca      240
tttataaatg gatcagctcc tgcagaagta aacagcagag gactaactta cataaccatc      300
tctctcaaca tttcaattat ttttcttttt ttagcagttc acttcaatgg ctggaaaacta      360
gacagaaagt tgggaatagt ctgcctatta tcatacttgg ggcttgctac attatcagtt      420
ctatatgaac ttggaattat tggaaataat aaaataaggg gctgtggagg ttgatattat      480
taatagtgtt atgcagaaaa tatgaatggc agggaggggc agagagaaaa atccattttct      540
tcattt

```

```

<210> 130
<211> 733
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = A,T,C or G

```

```

<400> 130
ggggcctctt cctaaaggca ctaatcccat ccaatagggc ttaacctcat gacttaatca      60
acttttcaaag acaccacatc ctaatgccat cacatcagaa tttaggcttc aacatatgaa      120
ttttggggggg acacaaacat tcacctcata gcattcattg tttcttgcta ttggcaaagc      180
caagactcac attgtctaag ttatttgact tttgagtcgg cagatgtgaa aacagtgtca      240
aacagtccag cttcatgagt ggagaacagc atttgtgaca accaccaaag tacctctgtg      300
gtcagtgtcc tcaaccaggg cacagcatca tggaccagag cctctgcagg gcacagagga      360
gtggtgagga acaggggctc tggagcaacc ccacttcctt ctgctttgta tatggggggg      420
tctgcacatg actgcatttg aaaagggctt cactgcgctt gctgaaggag tgcacttgag      480
ctagcggaga gttcccagag ggtgtctgga agaagcaaag gctattcttt gtttactca      540
gttatagatg gaagtcagac acttctgctt gaagtacttt cacacactcc acagtcttaa      600
gaaggatgga naaagcatgc caactactca naaaaccaca ggtgttcaag caatggtatc      660
cttttatncc tacaactagt ggacaaagng gggcctctgt aatttgggaa agctaggaaa      720
actttttctg ggg

```

```

<210> 131
<211> 305
<212> DNA
<213> Homo sapien

```

```
<210> 134
<211> 627
<212> DNA
<213> Homo sapien
```

<220>
 <221> misc_feature
 <222> (1) ... (627)
 <223> n = A,T,C or G

<400> 134
 aaatattact tcaaatacat tttaaagctc aacaaacttg tgttgaactg aattgcagat 60
 cctgaactct atttgaaaat acatcatgaa acagaaaanc ccattccaaa tgaaaatgat 120
 agtgctttgt tgggggtggg aatgaggcgg ggagactaaa tcactattaa cagacttctt 180
 ttcccaatgc aatttgtcaa aagttcaaaa gttctgaaat gtactaaatc ttaagcaaat 240
 taaattcatg atattactaa aactttttta atagtgaat gacttatcaa gttatagtgg 300
 ctgcattaag aacaaattat tgtgtgaaat acctgtataa acacaaaata caattaaata 360
 tttctttaca aaaagctgag cattacgcat aatagtggaa tgtctttcat taggtgtatt 420
 ttttaagat taacaaaagt aacatttcct aaaatgtata catgtgccat atttttgcaa 480
 acatgcctga gaatgtattt aaaacatttc tgtagtaaga gtttgcaaga acttcacaaa 540
 cctgcaaata aaatgcatct ttttaaaaag gtgaaaatgg catctccaca ctgcaacaat 600
 tcaaaaagtg cagcatccct aatcttt 627

<210> 135
 <211> 277
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (277)
 <223> n = A,T,C or G

<400> 135
 aaaatcaa atattatttg ttaaaaatca gcttggttca ttacnggaaa ttacaccagt 60
 ccgttctatt tactttcaaa ccatattcaa ctccctcaact ttcaaacatg taatcaacta 120
 atttcaaaag ggaaaaggta ccctttataa aggagagatc tgtaagaca ccaagaaatc 180
 aaaattaata tcacttaata attaagtga taacacatgc ctcccaatac agtgcagtga 240
 gaaacacaaa acatcaattc ccgcgtactc tgcgttg 277

<210> 136
 <211> 486
 <212> DNA
 <213> Homo sapien

<400> 136
 aaaacagaat gaattcattg ttacagttac agaagtcaga agcccaaata cagtctgcct 60
 gaaccaaagc cagggtcagc aagggttcct tccactgttt tgccaacttc tagaggccac 120
 ctgtattcct tgggtcatgg cccctctctt catcatcaaa taatcagcat agctttatga 180
 cattggcagc tctgattttg ctcttttgcc ttccctcttat gtagaccctt gtaattacat 240
 tgggtacacc cagataaccc caaataatct ccctatctca agattcttaa tgtaattata 300
 ttgggaaagt cccttttgtc atataagata acatagcaat ggattccaag gattagtatg 360
 tgagtttctt ttgaggggct ataattaacc ctaccacaat atggaaatgt ctattgtttt 420
 tctatgtacc agaaataaga cattaggatg tgaaattaat aacataacac cacttacggc 480
 atcacc 486

<210> 137
 <211> 552
 <212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(552)

<223> n = A,T,C or G

<400> 137

ccatcttgca	tcaaagtgtc	ttaaggcagt	gactggctat	caaccacagt	ttctgtctcc	60
ccagttgcaa	acacaggatc	catgcaacag	ttctgagacc	atacacttag	aaaccacagg	120
ggatgcggt	caaatgcaga	actcccaaat	tataaaacag	tcaggctaca	ctcaaaacaa	180
aacatagaac	atcaacaaca	cacatctccc	aaaaaagaag	tgcaacgcat	gcttgataaa	240
accaacaata	acaaaaaaac	cacaataaaa	aatgcagagt	ctcccaaaca	agttttcaaa	300
tgtattgcan	aaagaaaaaa	aatgtatata	tatataaaat	taaaaagtct	gaaataactag	360
tgcatagtca	attacctaac	accaagtttc	ttttctttct	gtccaagctc	tactgcccct	420
ctgatactag	cagcatgtct	acaggctaag	accatagcag	caaaaaacgt	ttttcatttg	480
gcatttacaa	aattaaatta	ctgaataaaa	atataatfff	ttataaaaact	atttcottaca	540
gtaataatff	tt					552

<210> 138

<211> 231

<212> DNA

<213> Homo sapien

<400> 138

aaatffffact	agtgttactt	aatgtatatt	ctaaaaagag	aatgcagtaa	ctaattgccct	60
aaatgtttga	tctctgtttg	tcattactff	ttcaaaatat	ttttttctgt	aaagtataat	120
atataaaaact	tcttgcttaa	attgaatff	tatattagtg	gttaattgca	gtttattaaa	180
gggatcatta	tcagtaatff	catagcaact	gttctagtg	tttgtgtttt	t	231

<210> 139

<211> 535

<212> DNA

<213> Homo sapien

<400> 139

cagttgcaa	ccctctgaac	cgtttaggcc	ggttcacgc	tgcttttgaa	tctgggccc	60
tggtgatccg	gcaaggggtg	aaaccaaaga	gcgggggctg	tgaggccctt	cgcagtcctt	120
cgtaagtgcg	tgcatggag	tgaactatca	cgcacgtgt	ttatttcgtc	aacacgaaat	180
gtgattttatt	tttgogaatt	aacacggcag	ttctcggtta	cgttttcgga	aagcgtggga	240
tatgattctg	tctatcctgt	acggatatac	agtaattacc	gggaggggat	tccatggcga	300
agaagcaggc	ggcacgggca	gcacggcagg	aaatgagcgg	tatggcgcg	ctcgggcttc	360
gcgtctcatc	gatgattaat	caccgggtcg	cccagacgca	gcgtgggtt	acgattcatc	420
gcctggacac	ggatggggat	cgggagtggt	aagaggttct	gagcgtgatc	gctgataccg	480
acgagctcga	gctgacgctc	aatgacgatg	gcagtgtgac	ggtgaggtgg	gagca	535

<210> 140

<211> 640

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(640)

<223> n = A,T,C or G

<400> 140

```
acattggtgg cacttgaact gagtgcaaac cacaacattc ttcagattgt ggatgtgtgt      60
catgacgtag aaaaggatga aaaacttatt cgtctaattg aagagatcat gagtgagaag      120
gagaataaaa ccattgtttt tgtggaaacc aaaagaagat gtgatgagct taccagaaaa      180
atgaggagag atgggtggcc tgccatgggt atccatgggt acaagagtca acaagagcgt      240
gactgggttc taaatgaatt caaacatgga aaagctccta ttctgattgc tacagatgtg      300
gcctccagag ggctagggtta gtacaaactc gcattcatgg cttggtttcc cagaagatct      360
ccattttaact tttttaaaga aagtttattg ctttctttaa cctgcatttt ttctaagttt      420
tttttcgcat aaaggtgctg tctttgtggc aaggcctagg catgacaatc ggaggactcg      480
agggggatgg aggactagtg atccggctgg ctgcttcag tcgattagag aggtgaaaaa      540
gctgaacgtg tgcccantna atcttcaaaa aggcagaaac atatcacctt ntgccccnt      600
aaacttgttc tttttccgaa ggggaaaaaa aaaatggaaa      640
```

<210> 141

<211> 127

<212> DNA

<213> Homo sapien

<400> 141

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aaaaatcaca cactgacaac acagaaatac gaaatgctag gaaaagtcta gcatatgaag      60
gaaaaacatg tcttatgcac tctaataata ttttttcaat tagtataaag gcaaatgcgg      120
ttttttt      127
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<210> 142

<211> 126

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (126)

<223> n = A,T,C or G

<400> 142

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aaatatcctc tggatgcntt caagtaatac taatcatttc atgnngnaaaa gtcttttaat      60
aaacaaattc agagtaaaat taattgaaat atttataata catttggtac acagttattt      120
ccaata      126
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<210> 143

<211> 730

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (730)

<223> n = A,T,C or G

<400> 143

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ccctcctcag aggtgccctg cgaggggtgag gggagatcag catggcaggt gtgctgggca      120
cggcagggcc tgggaagggc agatcctttc cccatccctg ccacaaacaa cccaaacctt      180
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125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

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<210> 144
<211> 485
<212> DNA
<213> Homo sapien
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<210> 145
<211> 465
<212> DNA
<213> Homo sapien
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<210> 146
<211> 351
<212> DNA
<213> Homo sapien
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<400> 146						
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ttgaccagat	cagcggcggtg	aagcttatgc	caactcatcg	tttgataaat	ccgaggatca	120
gttcaagacg	tgcgcgcggg	tgatttttggg	aacgtcgttt	tccgtcagta	aattgtgggt	180
agcgacggag	tggttgatcg	gcaagaatga	tccgtatat	ggcgggagca	gctataccga	240
gagcctcggg	gctggggggga	gtaaccagtg	ggagaactcag	ttatatatga	acattgggta	300
ctacttctga	cttaaaqatct	ccaqcqtttt	aactggcctt	atcgagggca	a	351

<210> 147
 <211> 654
 <212> DNA
 <213> Homo sapien

<400> 147
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 ataagtatga tttctgaaga aaagcaaagc cattagtatg tttgccttaa acttgtagac 120
 taaaccaagt attgtaaaat aaacagcgat aacagtgata gtttttaact ctatgggtcat 180
 tgtatcactc tggaaaatgt ggagtagctg taataaatct actcctgtat tatgctttac 240
 agtgcaggtc ttagtttttc tttttctca tttcttttga aatggcatct cgaacaaagt 300
 ccaccaatcc ctttacaaaa gaatgaactg ctctctgtg tgtacttcat agaaggtgga 360
 atcggacaga ggcagggttag tgacagttat tcctgaaata caggagcaga gtacagtctg 420
 ttgtggtttc cgggattccg cgcctagctc agccaattaa gcatgagaca taggccattg 480
 agccacttag tagttatgcg agtggataga ttggtatgta agagggaaaag aggtctgctg 540
 taaagaacaa cacttggttg tctgtgggga aagaaaagca gaatcttgag atgaaagttg 600
 gcatacaaat aggatactat cgccagtagg ttatattaca aaacatttat cggg 654

<210> 148
 <211> 539
 <212> DNA
 <213> Homo sapien

<400> 148
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 tcaattttacc agacacactc tgtcaagact tcatatactt ccaacttgca agcctgtgtt 120
 ttgccttctc caacctaaaa agggaaaagct ttaaacgatg aacttacatt ctattaaacc 180
 atcagacttg agcttatcca tctgttttagc gtgaatgtac aaaccaggta catttccacc 240
 aaacacatag aaaaatcttg tgcacacag ttcagctaag ggtagtagga caatccttac 300
 aatcctcctt ggatttcttt tttaagatgt caaagaagca ggtaagcaac attgttcatt 360
 tgttactggg tgttctagat caaaccttca caagctatat atatagcttc atagctata 420
 gcttacaat ggggtaacaa agtaaaagaa aagaacaaat tatactttga cactttatag 480
 tcaaaagtata attaaaaaag aaatcctaca gtgggtaatg gagaaataga taatttttc 539

<210> 149
 <211> 273
 <212> DNA
 <213> Homo sapien

<400> 149
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 cctcataca gtccgtact aaggccaccg acatcccgag gaacctccg aaccacgacc 120
 gccaagcaac tcgacccacg atagggtggg cctacgctct cgaagttgat tggatgctcc 180
 cgcctacagg gcgggtaca gaaggagcgt catttgtgac tggacgcgca agagctatac 240
 tcagcagctt tcctctgtcc cagccctag aac 273

<210> 150
 <211> 200
 <212> DNA
 <213> Homo sapien

<400> 150
 gtttttacta ccgtatggcc catttaaaag ggatgtgtac gccttacact ataaccctta 60

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aaccacctag aaatatgaaa ctcaaactgc cactgacctc cctcaccaag ctccataaaa 120
gtaaaaaatt ataacaaacc ttattaacca aactgaacga acatatgggc gattgattca 180
ttgccccac aatcctaggg                                     200

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<210> 151
<211> 515
<212> DNA
<213> Homo sapien

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<400> 151
ctgtagcgat ctttaagaat attttatata tgaaatctgg atttaggggt cccatgggtct 60
ggcaccactg ggtacagtag ttctacatgg cagtaattca ttggagttga agcagtgagg 120
aaagagtcaa gtactagtct tttatcctca gtgtccagtg actgtcaaga gaaatgggac 180
tgcccttctgc attgggatat gtgggttaaa gagtagtcca atatagaaga gtgagaaaagt 240
gmaccctctg aggcatagta atgttttatt kraaaacatc tcacatgtat tgaataactta 300
sataggatgt attctgtatt actgaatttt ccagattatt gaagcaatca cctttctgtg 360
tttaaagttt tagaaagaat gcttttaaaa atgcttaaca taagataagc ctgttttcat 420
gggtgcaagg cctttctatg aacatgaatc actggactct gagggttgga ctaagatcac 480
atctacatcc cttttaaatg actagtgtgc tcaga                                     515

```

```

<210> 152
<211> 243
<212> DNA
<213> Homo sapien

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```

<400> 152
atttcaacaa catacttgtc gaggtagtta taaatcttct tagggggagg tgggtggtttc 60
tggtggaatg ccaattttac agcttctgct gctgattcag gttctttaat tatgcttttc 120
tttgagtctg cttcagatag cacaacaaaa aaatgatgac acttttcaca cttgacaaaa 180
cgggtggatg atacaaaagg tctctacatg tgtgcacaag tcgccacatt taggacagcg 240
cag                                     243

```

```

<210> 153
<211> 620
<212> DNA
<213> Homo sapien

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<400> 153
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ttagtgactt gaatcttcat aagttaaagt aaaaaacagc aaaaaaccta gatctttgtc 120
ttttagaaca cagaccattt tcaggaaagc agttagctaa gtgtttaatt catgaatatt 180
gtatactgca tcccctacca caatttacac aatcctgtgg atagtcttac ctccacctgg 240
tcaacctaca tgatccttaa gctaattggc gatcacgat accttgtaga catgcacaca 300
actatacctt tgtccaacag atcataatat atctgctatc caactggttt tacctgccta 360
atcctactga tttgggcact gcttgtagat tctctcaagt tcacaggaaa tgttgatttt 420
ctaaggtcct cttttttaca gagtatacag gcaaagtgac aggggaaaag gaattagtct 480
aagagtaagg ggatgattat tatattgagg ctaaaaccac aaagtggctc aggctttaaa 540
aaaaaacact gtggataatg acaaaaagca taagtaaaaa tattttgaga aaaataaagt 600
acaagttttg aacaccccccc                                     620

```

```

<210> 154
<211> 843
<212> DNA
<213> Homo sapien

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<400> 154

cattgttagt	gaccaagta	aatttatagt	ttttaagttc	agaggaaaaa	taaagcctat	60
tttttgttaa	cagtcttaat	aaataataaa	atggaataaa	gaaaccaaaa	aaaaaagaaa	120
aagtttgtat	gaaaattcat	ccctatttct	ttattttgga	ctaagtagtc	aaatttctac	180
tatattaata	ttatgtaagc	gacaccatt	taaattcact	ctctttgata	gaaaggtgag	240
ttgattatca	cacctgctat	tttttcactg	ccaaaaragac	tgcaataacc	tccctccatc	300
acctcaaaa	aacaaacaga	aaccatctga	ggcatagcca	ttgtttacat	attgtgtttg	360
tgtgcaccta	tctacaacgt	tctttcttct	aaggagttta	tctgccaaata	ttttcggctt	420
cagcagcagc	gctcttcttg	acagactaag	agaaggatct	acagaaaagt	catctgatta	480
aggttttggg	tcaaattaaa	actctctgga	cagaatcctc	tttccctcac	ttggatttct	540
gcaaacagaa	agcagattat	tctcctggca	caatagcgac	tctagaaacg	cttatgtttt	600
tcagactttg	gcagaacttg	ttaagaacag	catcatcata	atacatttgt	acaaactcga	660
atttcagtgg	ctcttttgtc	ccacatgatg	catgatgaaa	tttataaagg	tctgttttac	720
ccccacaggg	tcatttcttt	tgtgttccta	cagagccaat	aggcttcatt	taagtccaag	780
ttattatatt	aaccatccct	ttcactagac	tagagaactt	ctttttcatg	gtccatatcg	840
tga						843

<210> 155

<211> 674

<212> DNA

<213> Homo sapien

<400> 155

tttcgtgtca	gccccagggt	tgctccagct	attcacaagc	agaatataac	acaagaaaaa	60
caattcatat	cccttaggga	aaaaagagga	tcaattcatc	actcaatatt	taatacagcc	120
aaaatgagct	gcaaaaacaa	gcacacacac	aaatactgtg	aacagaaaaa	tacaagaaaa	180
tgactaagct	gggagtcttg	acggggtatg	gacattgctt	aaagcactta	tcagtcccca	240
gaaaaaccaa	acaaaaaaca	ttttttacga	tggcatggcc	tcatggcccc	ctttaaaact	300
gttgatggta	acaaagggca	gggggtgggg	agagaaaaca	caatcactgc	tccctttttg	360
ctcgccagtg	tgactgcacc	cctcacggca	ccggcatgta	cacaactacc	acacaaggag	420
gaccaagtc	ctctgctggt	ggcctcctaa	aaggcaaggc	ttgagttttg	gctgatgagc	480
aagttctctc	cgttaccaat	ccctgccaac	cagcactacc	atggctgaat	tgatctaccg	540
tttcctgag	taaactgtaa	ctggctacag	tttcggtaac	atggaaaaga	actcagctac	600
tacagccaac	tgcaataact	caggaacccc	ctccatccct	ggggctcctc	actcctagt	660
catcttgatt	ggat					674

<210> 156

<211> 671

<212> DNA

<213> Homo sapien

<400> 156

ccttttagtga	acacctttat	ctccatgtcc	ctcttagagc	ccagagagct	gcccataggc	60
attttccaga	attcctcatg	tcacctagtt	caatttccat	taactcagat	cagccattgt	120
gattcaccat	ttgtcaggct	ctcaggttta	acaaaacctt	ctatcaccat	catccttcaa	180
cagccacagt	ctgaattgag	ccaacatttt	tttttctttg	agaaagaagt	gggctggggc	240
acaactttta	gtctgagggg	agctagtagt	cggttgaca	attaaagcca	tccataacaa	300
cttttctca	aatgtgttga	ctcctcaggg	gctaaactgc	tcttagctta	gaattatgct	360
ttactagaga	tctaccatat	aagtgggtta	atcactacca	tctgttaact	agttatatag	420
cttcagaca	tgaggagagc	atcaaacagg	gatggaagca	acccaagga	tatgcaagaa	480
gggcatgatg	aaccccttc	cctctggcag	gagaacaagg	ccaaccaagg	gacagactgg	540
aaagcactta	gatgtttaag	gaggagaaag	gggaagcttt	gaccagtcct	tgctttttgc	600
caagttcagc	cagttctccg	ctgcttgcaa	cctctagcgc	agtaacattt	tgcaagattg	660

cagattttcc c

671

<210> 157
 <211> 474
 <212> DNA
 <213> Homo sapien

<400> 157
 cgcgttcttt aattctttta gcctagaaag tcctttacac tacttaccta aagggtcccaa 60
 agtaaaacac acactagtag taaggctagt gcatttcctt tctagcactc aaagaaaagct 120
 taacattttt gacagtttgc aaataccgcc ttgtatttct gattcagcct tattcaaagt 180
 atcataataa aatattttatt aaatstatgt tgatctgcgt gcatttatga tctccagatt 240
 aacgtaggc ttctctgttg ggcctaact tggaggtgct tttttggatc cctcctcccg 300
 tgattcattg taatttcatt tcccttgtca tggctctgac cagagaagat tctaaatatc 360
 tgccccaaa gccaaaatta tatcttttga aaagtgaat gaagagttga gtcastaatt 420
 tatttttagat attactgcct aaaacaattc cccaaaattt atggaagtgt gagg 474

<210> 158
 <211> 584
 <212> DNA
 <213> Homo sapien

<400> 158
 ttggattctg cagttccaca tcattcactc cggcaaagga gagaacttgt aacaaagatg 60
 agtgccaagt ttagtcaatt taccctacct ggaatactat atacaactct gggctctcatg 120
 tgtgttaaaa tacatacagt gaagctgagg aagagccact gaagtaaaaa gtattgttta 180
 caagttggaa aggatgtaaa aataatctaa agtatactaa gtcaggaata aaaggcagag 240
 ttaataaaat tgtggctggt actgatagac gaaacagata tattttctaa atcctggaat 300
 aattattaaa aaattttaca tgtatcaatg gattccagac tccatatttt aagtttcaca 360
 actactgtca tttaaaacta taccttattg aacgtctccc actctcaata aattaccca 420
 aatcactctt ctccaaaacg taaatttgga acacactgac ttacaaaatt tgggcttaat 480
 ttataggatg ttgtggccct caaaaatatc attgtgggct aaacaaaata aattcttgaa 540
 acaattctaa aaatcaatca ttgtccaaaa tgaacttttt ctaa 584

<210> 159
 <211> 671
 <212> DNA
 <213> Homo sapien

<400> 159
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 agatttcttt ataattataa cccttggaaga caatttgaac tttattttaa tgttctgctc 180
 aaatctaaat ttctttctcc taggctgaag cctgatctaa ataaggaagt agttgggata 240
 tatccacagg ctgtcgaaca tggagctgca tctgagagac aggtggcagc aacccaaagc 300
 aaagcagggg ctgagaacag gcaggttcca agagcaaat ggaacttgaa agccaagtat 360
 ggttctactgt aaaggagaaa atatagaaat acggaactag aacacctggt ctgggatgtg 420
 gtaagcacc aaatatagg aaaactgtat gaattcttgt gaagcagtaa actatgatag 480
 taatcatgtg acacatatga taacaaactc aaaacagggg aaagaggggc tttattcaat 540
 gctggagata agtgaaaaaa aaagtgaagt gtctcaagga cagaagttat catctcaaaa 600
 aggcatatca gctagatctc gcggaaaacca tatgattatc ataattctag actctgttcg 660
 gtattacaaa g 671

<210> 160

<400> 163						
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agagaacaac	taattgatta	cttgatgctg	aaagtggccc	accagcctcc	atatacacag	120
cccatttgtt	ctcctagaca	aggccatgaa	ctggcaaaac	aagagattcg	agtgaggggt	180

gaaaaggatc	ccagaacttg	gatttagcat	atcagggtgt	gtcgggggta	gaggaaaccc	240
attcagacct	gatgatgatg	taagttagct	ttgtatatct	ttgaaacacc	tataaaagttt	300
tattttaccga	ttgaatactt	aaatgtaagt	gaaaatctaa	tagatgttta	tgtaaactcta	360
ggtagacatc	acctggattc	cccactctat	tgcttacctt	tttgttttgt	aatttgatca	420
gttcaagtta	aaacaattta	acccaaaaact	atgaatgttt	atgatataat	gaaatgattg	480
ttactttct	tattgctttt	tcacacacct	ataaaagtaa	ttttattact	ccaagagaa	540
atcactaaag	gcagaattac	tagaggtaaa	aataactagg	gttggtacag	tattactcag	600
gagaagtcaa	ggggagaaaa	cttgtcccaa	tgattcaaaa	taattttggc	atggggggggg	660
ggagggaaaa	aaatttggct	tccttt				686

<210> 164

<211> 706

<212> DNA

<213> Homo sapien

<400> 164

ttttttttgt	ttcattttgt	gcttaaaata	aaaattataa	attagattta	aatggagcac	60
taattataaa	acagattgca	agtaccacca	tttgaaaaaa	aaaaaaaaaa	tcagtggatt	120
tccataaacac	agaaaatgca	tggaatgca	tctacagtag	agttaaaaat	ttcctgtgac	180
taaaaaatta	aaaactggaa	tcaccagtag	caaagtata	gtcaatggct	atgacaagaa	240
cagatcctgc	cgagctcata	aatgcaatta	ttggcttttt	tgctttataa	aaaagacatt	300
acatatttta	ttgcattatt	ctcctaataa	aaaacatact	accacgtagc	tctccccatc	360
cccattcttt	gcttccagat	ttttatagaa	aataactgtt	ttagtctggc	cttgaaaagt	420
gaaccacca	gcaccacctt	cacctactca	ctcttcaatt	caatatgcac	atagcaaaaag	480
ccaacacttc	aaatctcttg	cccacatcaa	aaaaagtagt	ttcaggagaa	aaacattaat	540
accagttgaa	taaaaataag	ggcataaaaag	ctatgagaga	gatagctctg	ccatctgtct	600
ctgggctaaa	aatcaaggct	aactattgcc	tttggcacca	caaggttcaa	ggtccatggg	660
tttattagaa	aagtccccac	aaaaaaatta	aacccccctc	acccca		706

<210> 165

<211> 427

<212> DNA

<213> Homo sapien

<400> 165

tyywgggcaa	ttaggcagga	gaaggaaata	aagggtattc	aattaggaaa	agaggaagtc	60
aaattgtccc	tgtttgcaga	cgacatgatt	gtatatctag	aaaaccccat	tgtctcagcc	120
caaaatctcc	ttaagctgat	aagcaacttc	agcaamgtct	caggatacaa	aatcaatgta	180
caaaaatcac	aagcattctt	atacaccaat	aacagacaaa	cagagagcca	aatcatgag	240
tgaactccca	ttcacaactg	cttcaaagag	aataaaaatac	ctaggaatcc	aacttacaag	300
ggatgtgaag	gacctcttca	aggagaacta	caaaccactg	ctcaaggaaa	taaaagagga	360
tacaaacaaa	tgggaagaaca	ttccatgctc	atgggtagga	agaatcaata	tggtgaaaat	420
ggaaaaa						427

<210> 166

<211> 124

<212> DNA

<213> Homo sapien

<400> 166

accatgtttt	cgttgtgtgt	gagcagggaa	gggaactttc	ctgccttatt	taaacctggg	60
ccgaggattc	gtggaatctg	cttgatcaga	gactctgagg	ccaaaaacgc	atcatacttc	120
ttgg						124

<210> 167
 <211> 232
 <212> DNA
 <213> Homo sapien

<400> 167
 tctgcatagc aaatatgatt taagaattta acatcattat ttgatcacaa gcgtaaatat 60
 gtcaccataa ataaatgtaa attcattgta caaaaattcc caacaactct taatacaaat 120
 atggtacatt tgacagtttc tgaacagat tattttttaa acttttttaa acctaagctt 180
 tatttttttc ctggttatta gacacacaca aaaaaataa aaagaggctg gg 232

<210> 168
 <211> 677
 <212> DNA
 <213> Homo sapien

<400> 168
 tttcacaaatt aaccaacatg caaaaattct cagactaaac actgagaaat tttcataca 60
 atgcatttgc caccttattg cattttttaa atctttattc tatagtgaat tggattcccc 120
 aatctgccta agcaaaggca tgcccttcta acaagatttg cttagagcag aggtgataga 180
 aggaagaatc cgaagaccct ctggcatggc aatctgggag cagcacattg ttgatggagt 240
 ccaagtgagc acatttcaca caattcattt agtgacaagt gggcttgctc ctttttcac 300
 caggaaaaaa actactcaca gaccactgcc cagaatctgg aataagaacc ctcatattta 360
 ggtattcttc ccaacaaata aatatctaaa tattgaaagg gggcatatca gaaaacttaa 420
 aagacacaat aacaaaacc aaaaccctct tcaaaaacaag taagcaatgt ctgtatttag 480
 ttcactctaa aacattctta gcttttcttg cagtttgctc ctaaaagatt tgattgggca 540
 caagaggaac gaaattatta ataaaataaa agcttatttt tgtttttgct gtggataatc 600
 ggtacaaaac gtttccagat ctgagactta aatggatctt ttaagggtgaa aaggagaatg 660
 ccaggttcta ctgaaat 677

<210> 169
 <211> 635
 <212> DNA
 <213> Homo sapien

<400> 169
 ttaagaagac tgggcattta tactctctct tgctagtcag cctggagcaa gcttggagca 60
 gacgcacatt tttgtactgg cacatattct tagacgacca attatagttt atggagtaaa 120
 atattacaag agtttccggg gagaaacttt aggatatact cggtttcaag gtgtttatct 180
 gcctttgttg tgggaacaga gtttttggtg gaaaagtccg attgctctgg gttatacgag 240
 gggccacttc tctgctttgg ttgccatgga aaatgatggc tatggcaacc gaggtgctgg 300
 tgctaacttc aataccgatg atgatgtcac catcacattt ttgcctctgg ttgacagtga 360
 aaggaagcta ctccatgtgc acttcctttc tgctcaggag ctaggtaatg aggaacagca 420
 agaaaaactg ctcaggaggat ggctggactg ctgtgtgacg gaggggggag ttctgggtgc 480
 catgcagaaa gagttctcgg cgggcgaaat caccctctgg tcaactcacat ggtacaaaaa 540
 tggctttgac ccgctaccga cagatccggc cgggtacatc cctgtctgat ggagaggaag 600
 atgaggatga tgaagatgaa tgaaaaaaa aaaaa 635

<210> 170
 <211> 533
 <212> DNA
 <213> Homo sapien

<400> 170

ctgtgatctc	acaagtgtga	aaaatccttat	gaatgtaaaa	tgtgtggaga	ttcttctttg	60
tttttagctt	ccactttggg	aacatgtcaa	agcacacatt	gagaagtccc	atgagtgaaa	120
gagatgttgg	aaagcccttg	aacttggtcg	ttaggaaaca	tccacactga	agaggaacct	180
gactgtatgg	aagggtcaaaa	aggctgtatt	aatttacatg	caaaaagtca	cactagagga	240
atgccatata	agaatgcttt	tggtaaatat	acatgtttta	aagaggttat	atatcattaa	300
taaaaatata	tagctgggtct	gaagaccctg	agttatctca	attgttcacg	gttacagatg	360
gaactcttta	ttattgagga	gttccactct	ttccccatt	tgtcactact	acacttcctt	420
agtcttttaa	acaatttttag	gctgggtgca	gtgggtcatt	cctgtaatcc	cagcactttg	480
aaaggccgaa	gcgagtggat	catttgaggt	caggagtctg	agaccagcct	gga	533

<210> 171

<211> 568

<212> DNA

<213> Homo sapien

<400> 171

cccttgscaa	actttccctt	aagtattgca	ctacaagtct	aagacacttt	tcactcaaag	60
ttccttcctt	ccttacctct	cttttaactt	ggagtcagac	tttcatcagt	ctgacaactt	120
ctccctgtct	ccttcctttt	cccccttca	caagcatttc	acctaacaaa	tttcttatgt	180
gcttaatccc	ctcttagaag	cagatgccaa	gatgggatta	agcacataag	aggctcctgga	240
ctaatacaat	gacaaaggct	ccccttgaag	catcacacta	aaaggaaaaa	aaaaaaaaaa	300
acctagccat	tttacattaa	ctattttctaa	aatatagtat	ttgcttcctt	atttgctaaa	360
acaaaatata	ctaaacatga	ctattccaaa	aatctgtagg	gtactaagaa	tatgaagaga	420
ttcactctac	ttcaggggat	ggagttgtag	tagaaaaggc	tttgtggagg	gaggggtggtg	480
tttgaaatgt	actttaaaag	ccatcctcaa	agcctcgagg	gctataacctg	gcctggtgat	540
tatccaagga	cagtccattc	aaacaggg				568

<210> 172

<211> 167

<212> DNA

<213> Homo sapien

<400> 172

ccattttacag	gaatcagcca	cttcagttca	gacagcttta	ttaaaccgcc	tggagcgaat	60
tttcgaagca	tgttttcctt	ccatacttgt	ccctgatgct	gaagaggaag	ttacttcctt	120
gaggcacttg	ctggaaacaa	gcactttgcc	aataaaaaacg	agagagg		167

<210> 173

<211> 391

<212> DNA

<213> Homo sapien

<400> 173

cctcccaaag	tgctgggatt	acaggcatga	mccmccmcgc	cctgatgata	gacacgtttt	60
taactttctaa	aaatatatga	tcatgattgt	gtctgtggag	acttgcacat	atactaaatt	120
ttaamcaatt	agagatattt	gttcattacc	acattttggg	agtcattatt	tcctctatga	180
agagagaaaag	gaatttgata	caagttcaca	ggggcttcca	gtagattgag	acttttattt	240
ctagctgagc	tgctgatgta	tgaatttttt	ttgktattat	gactttcata	tgtattaaaa	300
ataaaatgaa	aaaacaagg	attaggtgag	gaacctatac	gtctctaata	tgcaaaatac	360
cacagaaata	atgactgktg	ggaaaattag	g			391

<210> 174

<211> 474

<212> DNA

<213> Homo sapien

<400> 174

gaactcagag	agaggattgt	cacccttggc	atctgagctg	acactataag	gacaatgagg	60
agtctccttg	gggatatag	gggagatgga	aggacgatgc	ctgtcctacg	gggtcttgga	120
aggttaggga	tacacactgt	gagctgccac	aggctcaaca	gtacggatag	ggggtgctgg	180
aaccagccag	ggctctgtat	accaagctat	gtgccccatg	cagaggaagg	ggtagtggca	240
cactgaacca	cccagccaca	aggctatctc	cccatacagg	gcacctttaa	aaaaattatc	300
cttacagggg	aagacgggga	ggaaggatga	actgtgtgcg	gtgatgttgc	agtgagtgtg	360
agtttgtgtc	cgtecgcttg	tatgagggcc	taccttttac	taactagccc	ccaactttca	420
ttatctcccc	ttttctgtgc	tacccttctg	ccttttttaa	gtggcttgca	atcc	474

<210> 175

<211> 655

<212> DNA

<213> Homo sapien

<400> 175

ccttgcaggg	gtggggatgt	gtgggcttgt	tcactgttac	agcccatgta	tacctgaagg	60
gcaacatgta	cccacaaatg	ttccaggagg	ttaaataaaaa	atacaattca	gcctcttcta	120
aaccatcctt	gttgatatct	ctgtactctc	cgaaagttaa	ttcggtattt	ggactccata	180
atTTTTccta	ttaattcacc	ctatgtccaa	ctccaacagt	gaaaaaaatt	tattttaatct	240
ttgcaataag	cctataggca	ggcagcatta	tcctcagtct	gcagataagc	taaggctcag	300
agaagcttgt	atactgtcac	ttaggtagta	attgcaagag	ctggcattca	gacctagact	360
gtgggactcc	tcactccatt	ctctttcccc	ccactaggct	gctccttaaa	atacaatgga	420
tgcttgatga	acgcttgtgg	gaatcctggg	tggacacagt	tccttttcgg	ccaaaagcac	480
cttgacgact	tgtgaagaat	taatctggaa	aacttaacct	atTTataaaa	acgtgttatt	540
aagggcaggt	tattccacc	ccctttacca	aagaaacccg	ccctgacctt	tttttactgg	600
gggttggtct	tgggcatttt	caacaagggg	ggaacagttt	aaaaattccc	ccctt	655

<210> 176

<211> 660

<212> DNA

<213> Homo sapien

<400> 176

cctggtcaaa	gtgggcatta	ccattcaagc	attactagac	atcaccgtaa	cgaaggctct	60
gttcacatga	aactaccctt	tctccattgg	gggctcagac	tctgctctca	tccaggatcc	120
tgaactctgc	tccaggcacc	tggtcaaccc	tctctccacc	ccactgcctg	tcacttcact	180
gactccagtt	acattgaaac	aattttcagt	ctaaggagg	atTTtctacc	tttcagagct	240
gacctccgac	tttaagactt	gacaggtatt	tatcttgaaa	ccagagaggg	agctggagga	300
aaaaaaaaact	gagcaagcac	atcaatgcct	tttccaccct	tcttcacctt	ttccacactc	360
accgactgcc	attaccaaaa	cgccaagcac	aaccggtttg	gaacaagacg	cattccgttt	420
taattaaaac	caactcatta	tgtatttttag	tgggggggaa	gggggggcaca	atcagggttt	480
tcaccaccaa	atTTtccaca	cggtttctga	acaccattgc	ctTTtaaaaa	actatTTttc	540
cacctccaaa	atattttattt	aaattttatt	tattacggag	gtgggtattct	tcctttggga	600
gccaaattgg	gaaatttagg	gaaccttttt	tattaccogg	ttttttgggc	gggtaaacc	660

<210> 177

<211> 459

<212> DNA

<213> Homo sapien

<400> 177

ctttttctct	tcctctgtgg	aatgggtgaaa	gagagatgcc	gtgktttgaa	gagtaagatg	60
atgaaatgaw	tttttaattc	aagaamcatt	cagaamcata	ggaattaaaa	cttagagaaa	120
tgatctaatt	tcctgtttca	cacaaacttt	actctttaat	ctgatgattg	gatattttat	180
tttagtgaaa	catcatcttg	ttagctaact	ttaaaaaatg	gatgtagaat	gattaaaggt	240
tggtatgatt	tttttttaat	gtatcagytt	gaacctagaa	tattgaatta	aaatgctgkc	300
tcagtatttt	aaaagcaaaa	aagggaatgg	aggaaaattg	catcttagac	catttttata	360
tgcagtgtac	aatttgctgg	gctagaaatg	agataaagat	tattttattt	tgkcatgyc	420
ttgkactttt	ctattaaaa	cattttacga	aaaaaaaa			459

<210> 178

<211> 720

<212> DNA

<213> Homo sapien

<400> 178

ctgcaagctc	ccactccttc	catttatctt	aacgcccagg	ctgacttcta	agctgctttt	60
cactttccta	cctccactgc	attttcgccc	ctgataattt	ttgtaagctt	acctaagcct	120
cccttctttt	gagatccctt	tcttaaaagg	gtccattcta	ttaaccctac	cccataatcca	180
gttactttta	ctacctgctg	atctatcgct	accttgctca	attcatggga	attacagggg	240
gcactgggac	aagagtaaaa	tgatccaaca	aacataatgt	tgcatthaaa	aaaataagct	300
aaaagatact	gatgactttt	tataactaca	acatatctgt	ttgtgaataa	gaacatatat	360
agtaaaaaga	tgaaaatgtg	aacagggtga	ctatttccta	aatttatggc	agaagggtgt	420
tctggagagg	atgggaagaa	aaaatgaagg	ctggcagtga	tgggtgggga	aatgcaacct	480
ccaaaattat	ctatctatat	atttttatta	aaaacaccca	cagtaattat	ggcaaatgtt	540
aatgggttgt	ttgttctaag	gttttgata	catttaagat	ctcttgcttt	ctgggtacca	600
tttcttttct	tttcttttct	tttttttca	aattaattcc	aaaagactta	tatctgctac	660
atgaagaacg	aagcaagttc	agctctcttg	gctgaaatgt	tcaaatgctt	gagggcaagg	720

<210> 179

<211> 427

<212> DNA

<213> Homo sapien

<400> 179

ctgtgaatct	gtctggttct	gaacttattt	tttagttatt	ggcaatcttt	gtattactat	60
ttcaatctct	tcctggttta	atctaggagg	gttgatatatt	tccaggaatt	tatccatctc	120
ttgtaagttt	tctagtttat	gcacataaac	gtgttcatag	tagccttgaa	taatcttttg	180
tattttctgtg	atatcagttg	taatatctcc	catttcattt	ctaattgagc	ttatttgaaa	240
cttctctctt	cttggttaat	cttgctaatt	gtctatcagt	tttatttatc	ttttcaaaga	300
accagctttt	tgtttcattt	atcttttgta	ttgtttttgt	ttgtctcaat	ttcatttagt	360
tctgctctga	tcttcgttat	ttcttttctt	ctcctgggtt	tgggtttaga	ttgttcttgg	420
tttctct						427

<210> 180

<211> 728

<212> DNA

<213> Homo sapien

<400> 180

caaacacaaa	agtcactgtg	tgtgtgatgc	ttctccaatt	ccactcatcc	tggctgccat	60
tcatgcacta	gtgcatgtat	gcattttttac	attttttaaa	ttacaaaaat	caacctatta	120
taactgctta	gatatatatg	aagtaaaaa	gaaagttctc	cctttacatg	acccatcccc	180
catcatttcc	ctctttatct	tatactgtca	gcattcccag	cttgtagcac	agtgtctggc	240
aatagtaaat	cctcaaaaa	tgatcaatga	ataattta	aatgattaat	aaataaatta	300

atgatgatgg	tgaagataaa	ttttagcatt	tattgaacgc	taactacaaa	ccagggagtg	360
tggtaaatat	tttataaaaa	tcaatgaatg	agctaaaatg	ccattctatt	atTTTTTTgg	420
atacggttta	atattttact	cataaatatg	cttaaagaat	attataatta	tatgacttag	480
aatggtaaaa	caatatgtac	agcagtatcc	tatttttttag	aataaaaaata	taaatatgtg	540
ctcacatatg	tggttggggc	atgcctagaa	acccgattag	aacgggattt	tttcttacca	600
ccattttttt	tacctgggaa	aaatatggga	aaattttatt	tcccttcttt	ttggttctaa	660
aatttatata	caggagccta	tttggccttg	gataaatcat	tttaaaaaag	gtggttttaa	720
aaaaaaaa						728

<210> 181
 <211> 546
 <212> DNA
 <213> Homo sapien

<400> 181						
acaatccttt	ggaagacact	actgggcttt	gggtgctgct	ttttaataat	tgagttatTTT	60
tgagcttgcc	aagtaggatc	tattgcctgg	actaaaattt	atttcctaatt	cttctgatga	120
ccaagaaagg	aaaaattaag	tttgcagatg	ggagatgaaa	tatagccagc	gaatatgcat	180
actggttctg	aatgaaagga	attaactttt	cagtcaagaa	acagtctgca	tgccgtaaaat	240
tgaatttttc	ctgcaactgg	aatgattggT	taattctttt	tgaacactgg	cctttctccc	300
caagaacact	aatgaattgc	taatattttt	taaagaaaac	tggtttttta	attaggtaaG	360
ctccacttcc	tcttattttt	taatccctaa	agaaaactgt	taaaagggaa	tggatctatc	420
acgccttttc	ttttaaaacc	acctttttta	aaaaggattt	ttccaacccc	caatttgctc	480
ttatttttaa	attttgaacg	ccaaaagaag	ggaaataaaa	atttttcctt	taattttacc	540
ccctta						546

<210> 182
 <211> 333
 <212> DNA
 <213> Homo sapien

<400> 182						
ggccactctg	actgggtctg	ctaattcaca	tgctctttgt	gacatacggc	tctaagaggc	60
agaggctgga	agagaagtat	gtgggtttgt	ggatcaagat	acccaagttt	cagtcttgac	120
actgctatta	cttagtcagg	tgaccactgt	aacttcatct	tgattgagcc	tcagatgtct	180
cacctgcaaa	atggagtttg	aaatttgcta	tggttgggtg	tcacacggat	taaatgaaat	240
aatgcctgtt	aagcgcttat	ccagcactta	ataagatggc	cactgcatca	taatgctttg	300
ggcacaagta	acacaacatc	caacccaaag	ggg			333

<210> 183
 <211> 393
 <212> DNA
 <213> Homo sapien

<400> 183						
ctgaattttc	tgggctttat	gtggcagtgT	ggtaaaaaata	tatgatcaga	tttactgttt	60
aagaaaattc	tttcagcaat	acatgtagag	tcaagtttct	tgcatggata	actgaacatg	120
tgggttatga	gatttttaaa	aatgtctcgt	gacaaacttt	acggaaatgc	aacaatctgg	180
acatctagtt	ttgtctgaga	gtggcgtgga	tatgaagaac	tgtgctgttg	gtgctgatgc	240
cacactaagt	tttggcagtc	acactcttgg	ttcttcatat	ttgaggagat	gggatgggtg	300
ggaggcctgt	tggctttatt	ttattacgtg	ccaccatcta	gaatacacag	tcttggatat	360
ttcatcttca	caaaggtgaa	gctgcaaact	cag			393

<210> 184

<211> 700
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 184
 ccaggscawt gaggaaaagr gaaagaatwt arrggstwtc caaataggaa aaraggaagt 60
 ccaaattggt ccntgttkg ccagataacc atgattgkkg atttagaaam ccccatgwtg 120
 tcagcccaaa atctccttaa gctgattaag camcttcagt aaaktctcag gataaaaaat 180
 caatgtgcaa aawtcacaag crttcctatm cgamcaatam cagmcaaaca gagccaawtc 240
 atgagtgrac tcttattcac aattgctagt aagagaagaa aatmcctagg aatacaactt 300
 mcaagggatg tgaaggwtct cttcaaagaa gaactacaar ccrctgctca aggaaataag 360
 agaggmcmca agtaaattggg aaaagcattc tatgctcatg gataggaaga atcaatccccg 420
 tgaaaatggk gatactgccc aaaataattt atagattcaa tgctatcccc atcaagctac 480
 cattgacttt cttcmcgga ttnggaaaaa tctactttac acttyatagg graccaaaaa 540
 agaagccwt gtagccaaga caatcctagg caaaaaagac caamcctgga ggcatcacag 600
 tmcytgactt cmaactatwc taccaaggny tmcrgkgmcc aaaacagcac ggkacntggt 660
 mccaaaccrg acwtwtwgac cmmcagacac agaacmgagg 700

<210> 185
 <211> 192
 <212> DNA
 <213> Homo sapien

<400> 185
 ccagyctttc ttttaagtaa gcgctttttc aagctcattg tagctacaaa gtcaataaat 60
 tggcttttgt tatttttacc tgaaaaggct gttaaagggt aaaatgacaa actcaaattc 120
 aaagggattg gaggatttgg tgtttatgat ttctcagaac aacaatctag agaccaccag 180
 ggtgggtttc ag 192

<210> 186
 <211> 688
 <212> DNA
 <213> Homo sapien

<400> 186
 gtgctggaat tcgcccttag cgtggctcgc gccgaggtgg gatatttctt ctggatagat 60
 ttcagatagg tagttccctc aaataagatt atatgggttt gcattttcaa ggcagagttg 120
 tatacttcct gctctttatt taaataaaaa aacttgaaaa tctgttctgc ccagtattgt 180
 aagcgtcag gtacaaatat gaatgaaaca atctctgcct aagtaacaca agtataggga 240
 caagattctc agtaaaattc tcacgtgaaa tttgtaactc actagacact atcaggagat 300
 caataattat gtaattaaaa aaaataatta cctgccaaac tgggttcttc tttggcactt 360
 ctgcttggtt ttaagacaat tctcacatag aagcttatta ttccccatta gtcattccat 420
 agatgtaaaa ctggtagaaa caggacttga attgaacatt ctttacaagt aagttatata 480
 gcttctgaaa aaagggttga aaaaagcatt tttggggact ataagaacct tcaaagtctt 540
 tcccccttta acaaacctta aaattatatt gaaaataatt taagggggct gattttctct 600
 tgtcaaaatc ttgaacccca cttaccagggt ggttggtcaa accaaaagttc aaaaaaagc 660
 ttctggcett tcctttatcc cacttgca 688

<210> 187

<211> 779
 <212> DNA
 <213> Homo sapien

<400> 187
 gcaaaaaaca gatacatttt cagtgtttta aaatgaacaa gtatggaaaag gcttatacag 60
 taactgaaaa gtctcctttg ggaagccaag gtgggaggat tgcttgaggt caggagttca 120
 agaccagccc aagcaacatg gcgagacccc atctctacaa aaaattaaaa aatcagccag 180
 gcatggcgga catacttgta gtagtaacta catgggagggc tgaggcggga ggatcacttg 240
 agtccgagag tttgaggctg cagtgagccg caacgcgccc tgtactccag cctgggcaac 300
 agagcaagat gctgctctaa aagaaatfff cttttaaaga aaaaagtctc cctcatagcc 360
 tgtttctaaa aagtcctatt tcttcccaca aaaagcctct ggtacctggt gttagttctt 420
 ggggtggaag attactttta aaaatagaac tattttttta gtatatcttt tagggaactt 480
 tagttcccgga agcttttagga aatgggatct tgaaaacaaa agggatttca atacctatga 540
 caatgcttaa agaattattg gggcatttat ttttcaatgg aggggccaca aatctttgga 600
 aacccttggc caattaccag aagccacttt aatttttgac cgaaaatgtt tttaaaaatt 660
 ggcttttgga aaaactgtct ctttcccaa aaatgaaaac cttgaaaaaa aggggaattt 720
 ttaaggttgc cccctcatta aattttaacc cctctgaaag aaaaccctct tgtgacagg 779

<210> 188
 <211> 394
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (394)
 <223> n = A,T,C or G

<400> 188
 ggcgamgtct ggycaccatc atgcccttta atcaactcac acctgtttta agagtgtttc 60
 tgatttgacc ttcacccctt agtttactgg cgtaaaaaaa agtctcagca attttcatta 120
 tttctcgtgg gtctcattat caaaccttta cttatttcgg catatttcct ctgggcttct 180
 tctagtttct gccttacaag caatgctggt ctgtaaaatt attgaaacct ctggaacatt 240
 tcacctttag agatggagga tggaaggatt ggyaccagaa gagggctaag atacgttytc 300
 tgtcttngag ctgaaagcac agyctactct ccttcgtttt gycgatgaga aaagttgagg 360
 ccagaagggg ggtgacatgt ttagagtcac ccag 394

<210> 189
 <211> 681
 <212> DNA
 <213> Homo sapien

<400> 189
 aagttctgac tttggtctat aaaacagggt tattggctgt ggctgcactc aatatctaaa 60
 aagttattag gaagtgcctc gttattgtca ttaaagatat ctaaatatgg tagaccaaag 120
 gttgttgaga aacacatatt atggactgag ttctgtttct tctgctgtgg cgcacctaa 180
 ctcaagcctt cttctctctc ctccccctct ggccggcatg gtatctgagc tcacagacag 240
 acaaggcatg ttagaatcat cagatcatga gcaccgtgct gggatttagc cctctccaaa 300
 gtcaattctt acagtccata ctttgettaa atcctcagtt gttgaggtct gctctgctgt 360
 cagtaatccc agctataaat ttcccccaaa tgtggggcct agataaagta gaaggtggat 420
 ggactcagct tattttcatg ggatgacagg aactggaaaag agaaagggca ttgaaaataa 480
 aaagttattc cagaatagca ttaaccctct tactgttcaa gaattaagaa agcctactta 540
 gaaatgaggg ccttgagaat gatacccaaa tattggtctt tctacaaaa aatggccttt 600

ccaaatatct gctttcctgt tccccattg gctttttaag tagaattaag ttacctaaaa 660
ctttacctga aggggtggtt t 681

<210> 190
<211> 839
<212> DNA
<213> Homo sapien

<400> 190
caaatacatg atttccattg gcatagactc ttctatagtc tctcagggcac accttatgac 60
taataagaac actgtcttct agatataagc caagtttttag gagttatctt tgtagtttct 120
gtgttgagac tatgggtctt cctgtgcaa agacttgatt agcaaatact atttgaaacg 180
atcccaaatt catagtgcag ttgaccaccc ttctgatcaa ggggatctct gtatatccca 240
tgaaagcttc ataggtctca ccttagatta agtgcttcac ttctcaagac agtgaacaga 300
tggaagactt ttgtagttat cattatacaa ctgtgcoctg tgtgttttat tatacaacca 360
gagaactgag gcactggctt tacctgtcag ctacgccagg ggtgtgacgt catctttctg 420
acttgatcac acatgccaca ttgcttaata tttcaagctt agactgaaat aatcctgtgg 480
taaaaaattt ttgggggggt gggggaggtaa agaacaaggg ggggaacttt ggaatatttt 540
tattcattaa tcatatttcc cgaattgtat tttattttga aatgaccata agggacttaa 600
atacgtattg tggttaaatt aaatggaccc aaatggaggt aagtaaacct aatgggacaa 660
atgaataaaa ggtttatgac tgggagcatt taccatgaa cctccttaga agctatttaa 720
cctttctttt ggaaagccct gaaggctggg aacttaaatt tttaaagacag tacctatttc 780
cagaatcgct tccaaatggc catgttttaa agggccaaca ttttgggatg gccctgccc 839

<210> 191
<211> 697
<212> DNA
<213> Homo sapien

<400> 191
ccatcctgaa tactgatttt ctaatggaac tctattcaat ggcgattgta aaacctgag 60
gctccgttac tattatggag catactttca tctcattctc ggctattggg caatatgtat 120
ctcataagat tttatcacat ttcacagatg aactgttaat tgattccatg ggtacgatta 180
ggcgagatcc aagctggagc tgcagctctg agtcccataa attctttgtg cttctgtaaa 240
gaataaatct gtttttaatg caaattaaaa ctactggcag ggaatttttg ctcacagtta 300
ttaaaagact ggaaatgtgt aagtggagaa aggcaataac tgcagtaatc tcttaccgga 360
ctctattata attccaaaca tacataatgg tgagaaaaac cgggaaggga agaattgtggc 420
aatgtccact ctttgcccca aacataaccc ttaattttca tggcgggccc aaacactggt 480
aaaaaccaaa atggtaccct ctatagcatg caacttttat ttcactcaa acgaaaaatt 540
attttgacta tggcttgga aatccattag tagaagaagt tttataacct ataggaaccc 600
ggccatttca tttctaccaa atcacaggaa ttttagaatg ggcaaggaa ttacaggaag 660
acttgcccaa ttatcttttt ttgggggact aaaccaa 697

<210> 192
<211> 687
<212> DNA
<213> Homo sapien

<400> 192
ctggttacta tagctttgta gtataattta aagtcaggta atgtgattct tccagttttg 60
ttatttctgc ttaggatagc tttggctatt ctggatcggt tgtggttcca tataaatttt 120
aggatagttt tttgctattt ctgtgaagag tgtcattggg actttgatag ggattgcatt 180
gaatctgaag attgcttttg gtagtatgaa cattttaaca atattgattc ttccgattaa 240
tgaacatgga atgtttttcc tttatttggc gctctcttta atttccttca tcagtgggtt 300

```
<210> 193
<211> 493
<212> DNA
<213> Homo sapien
```

```
<210> 194
<211> 424
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G
```

```
<210> 195
<211> 229
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(229)  
<223> n = A,T,C or G
```

<400> 195
tgaacaccct tnggaaggaa cctgctcgna tgtannanaa anggaccgga cagtctgcta 60
aaatcgccct ctttagacgc ggcgcgccgg ggcagagttt ttctctggtg ctttgacctg 120
tatttggttt aatggttttg tcctaattctc ttcaatcaat aaaattgtgc gtattttaact 180
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 229

<210> 196
<211> 557
<212> DNA
<213> Homo sapien

<400> 196
gcggtggctc atgcctgtaa tcccaccact ttgggaggct gaggtgggca gatcacttca 60
agttgagagt ttgagaccag cctgggcaac ataacaaagt gagatcttat ctctacaaaa 120
aaattaaaca aacaaaaaaaa caaatcaaca ttcatttgca gggctctttg gtcttcttaa 180
agaacaaaca tatgaaataa ataagctgat tcttaaagat aacaaatata atgagctttc 240
tcaactgtaa aagcatctct aagttgttct atcaatgcat atccactcca tgaactaacc 300
tgaagaaagt gttgaccatt ctacccaatt aactgtaaac taagattgct ttaatggttt 360
gcctaaattt gagtaccttt aaatttttgc tttttatcca aattcattct cccttcttca 420
aattaaatag ttttgttaga aatcggataa gcaagatgta ctttttagaa agggcaatag 480
aatcctacaa catgctagaa tttgaaatgt ttttttaaat cagtmmtttc tctatgctag 540
taactaagaa aattata 557

<210> 197
<211> 624
<212> DNA
<213> Homo sapien

<400> 197
ttttactacc tatatttaaa atgatccctg acgcccctca agacaaatat attaattttt 60
ttactttgtg ggatagagat cagaaaaaga gtagagatga aaatactgga gaaacaatgc 120
aggagatatt tatgaggtga gaatgtcaag aaacttgtaa agggagaata ctataatgac 180
ccctgaagag agagcttttag accagttgag tattagaggt tgccacgtgg ctattcatcc 240
actaataaat acaagaaatt actaaaatgg aagccactgg aaatatgttt tgaggaaggt 300
gagaatgtgg acctattata aatgggtgaa tatgatttct ttctcattaa gttcataaat 360
aactttcaga catgtaacag tttatgaagt gtgccgtagt catttagtat aagttttata 420
cacaaaagtg tttttactaa gactgtcaca ggttcttttg tgaatcttgt ttgtttttcc 480
tcattgtaaa tactgcaata gaacatttgt gtcttaacat aaggcaataa atgaccttaa 540
gaaccttcac ttttatatag aaagtggagg aaaagttggc agagtaattt gttgattata 600
gataaaaagct cttgtagaaa ttgg 624

<210> 198
<211> 175
<212> DNA
<213> Homo sapien

<400> 198
tttttttttt tttttttttt ctaacactta tgcatttatt ttcatgtgta agaagaaaaa 60
cgtaactagc acgtgaacat gactgcatgg atacacggct cagcacgagg ctaaagtcag 120
aagtgagtga aagcaaaacc gcatgttgat ttaagtgaat taacagaaca gaaaa 175

<210> 199
<211> 871
<212> DNA

<213> Homo sapien

<400> 199

ctgttgatca	atgatgagct	cccaagagta	accagcctct	atatagtcag	catcactggg	60
ttctcaggaa	aagcatcacc	attgttcac	ttgctgcaaa	atgtatgcac	aagtatcttt	120
ttatttttaa	aaaagccctg	acattttatg	actgctgctt	ttctaagata	ttttcaaata	180
tacagtccat	acggttcaga	cacaatggac	tggggataga	gacggctata	gtgccgataa	240
tggagaaact	agccagagct	tcagatattt	gttttccagg	acatctcaat	aattgggtac	300
acctcacaat	atgtgagact	tgacgtcgag	tggcacggca	tactctggcg	caggcacttg	360
ataaagactg	tgtttgcaaa	tacttagcct	gcacttcaag	ataccaggca	tctaagcacg	420
tcccagatgg	tgacagttaa	tcttcaaaaa	accctatgtg	gaagtattat	cattgtcctc	480
attttacaga	tgaggaaaaa	gagacacagg	gatgtcaata	tcttcctcaa	ggtcacacag	540
caagtaagtg	atggaacagt	ggctcagcca	tgaagctatt	gctgttaacc	actaggttga	600
tttgcccttca	ttaatttctt	cctaaaaactg	cacatttccc	gttagtccct	ctttttgggc	660
tgctgtttga	ctcttggtta	ctgcttagag	gaagattcat	tctattattt	tctaacttag	720
taaatatgtg	caactccttg	gggacatgac	caggcaaaag	ctggatacag	aaatgtatgc	780
ccaaacacca	tcccaggtta	cccctaacag	gtcttttctg	gaccctgttt	gtaagggggg	840
tatatttggg	aaaattttta	aaattttctg	g			871

<210> 200

<211> 737

<212> DNA

<213> Homo sapien

<400> 200

gacattttga	aggtaacagc	aatatctgtg	tatagatggg	gttgtgggtt	tgttatttat	60
ctgctattgc	tgaactatcc	tttgtcttga	gcgataaaaag	agaagtaaaa	tactaaagaa	120
ctgaactgtc	catttctgga	ccatgagtaa	agatgctggc	tgtcaaactt	cctgttcata	180
cattagttta	tttatagagt	gtactctcta	tgtaagggtat	tgactgataa	tgttactttg	240
acttcagata	gcttgcagtt	taatggagga	agaagacaaa	catgcaaata	actaggtcaa	300
tgaggcatcc	tttgtgttcc	attggaagct	aggctgcttt	gtaaccttgt	taatttctgt	360
ggttttggag	tgcattcatt	agcaaataca	ccccttgctt	ttatccattc	tctgcttttt	420
tctttatttg	gcatttgatg	acattttttc	atgtggggaa	attgagtcag	gtgaggtgga	480
aagaaaataa	ggacacgaca	ctaaattcct	tgatgttttt	ccttaaaaaa	ttgtttttca	540
agtgtcccat	aaagggttgt	gaagttttta	gagccatagg	acttggatta	ttgtgaaaga	600
gtgtctctag	ggggccaggt	taaaccattt	caaggactct	ccttctctca	tctcccttgt	660
tccaccaggg	gtggcgaccc	ccaaaaagca	caaagcctcc	ctttcttcat	gggaagggtg	720
aggaacggaa	gggaacc					737

<210> 201

<211> 493

<212> DNA

<213> Homo sapien

<400> 201

tctagaaatg	cagcttttat	ttattacccc	atttctttca	agtccttgga	aaataacata	60
ttaagggtac	aagaaattaa	cacatgatgg	aaaagtcatt	gtgacgcaa	tgaatttcat	120
tgagtataaa	ctcatctact	tcaaatttat	tttataacac	aacctaaagt	actcaagata	180
attattttaat	ggtagctct	taagttgaat	tgggtctacat	aatgogtggg	aagaaaacca	240
gatttttagc	cttcttgcca	aatccagacc	tctggttgat	tttcttttga	cagaagatgc	300
aagttatttt	ccaatttcac	aattaaatgt	atttaacatg	aacattattt	tgcttttaaa	360
actataaaca	ttgtaggaga	attatagcca	gtcttcagtt	ataaccactc	cacctctctc	420
actttctctc	tctctctctc	tttttttttt	gctatgggat	ttaatgggaa	aaatatgtaa	480
aaactgtcac	taa					493

<210> 202
 <211> 283
 <212> DNA
 <213> Homo sapien

<400> 202
 cctttttatc tcagtgcacac cgtccgggga cgcaggtggt ggtgactcaa ggctagcctc 60
 aaagggcagc cccacctcct catcctggac cacagagacc acctgcttgg cgcgccgtcg 120
 cttttccgag aggggtggtg actccggggt gctggggctg gggctgccgc ccccgccgct 180
 gttgtgttac tcctcgcccc agtcgatggg ggctgcctc ggacagcagg tgcaggttgg 240
 gggcactgtt acgcaagacc atgctgcccc gagaggtaga tct 283

<210> 203
 <211> 713
 <212> DNA
 <213> Homo sapien

<400> 203
 ctgcttttgc gcaaggtgcc actggacgag cgcctcgtct tctcggggaa cctcttccag 60
 caccaggagg acagcaagaa gtggagaaac cgcttcagcc tcgtgcccc caactacggg 120
 ctggtgctct acgaaaacaa agcggcctat gagcggcagg tcccaccacg agccgtcatc 180
 aacagtgcag gctacaaaat cctcacgtcc gtggaccaat acctggagct cattggcaac 240
 tccttaccag ggaccacggc aaagtcgggc agtgccccca tcctcaagtg ccccacacag 300
 ttcccgtca tcctctggca tccttatgcg cgtcactact acttctgcat gatgacagaa 360
 gccgagcagg acaagtggca ggctgtgctg caggactgca tccggcactg caacaatgga 420
 atccctgagg actccaaggt agagggccct gcgttcacag atgccatccg catgtaccga 480
 cagtccaagg agctgtacgg cacctgggag atgctgtgtg ggaacgaggt gcagatcctg 540
 agcaacctgg tgatggagga gctgggccct gagctgaagg cagagctcgg ccccgcggtg 600
 aaggggaaac ccgcaggagc ggcaccgcag gtggatccag atcttcggac gccgtgtacc 660
 acatggtgta cgagcaggcc aaaggcgcgc cttcgaagga gggggctgtc caa 713

<210> 204
 <211> 275
 <212> DNA
 <213> Homo sapien

<400> 204
 gtagacaagt acagcagatc cagacaccag atctagctag gctaaatgta cagtatctaa 60
 cttgatctga actgaacctg ttttccttga tgatgcctaa aactacatcc atagaattct 120
 ggtgaacctg taatacagtt ctgaaagtac agttttatat aataagatgc tgatctcttt 180
 attctttcaa gtaagagtgc tagagaacaa attgtgttac ttgccttggg atttattgaa 240
 cgtctggaaa atgctgtctt cctagatcca aacag 275

<210> 205
 <211> 694
 <212> DNA
 <213> Homo sapien

<400> 205
 ctgttctgt acatttaact gaaaaaaaag taacttaaaa taatataaaa atagcactca 60
 tgtatgtcct acagttatag gtgaaatttg atattgtttg tcttacatag catacctata 120
 gacagcttaa gtaaagtgc tgtaagagg gttatgctta ttgatgaact cttgtagtgt 180
 cttaccagct ctgttagtat agttaaatg atctcagtag cttcaagtat ttataaaatg 240


```
<210> 206
<211> 704
<212> DNA
<213> Homo sapien
```

<400>	206						
ttttt	gnaaaaaacag	ggtttcatca	tgtttgccag	gctagtctca	aactgctgac		60
gggat	ttgccgcct	cacccaattc	aactttcgta	agtcagtatt	taccatctaa		120
tgtcc	caaaatttaa	aatttccttg	cactttacag	caaaaataca	tattggggct		180
gaagc	aatatataca	tgtcaaaact	aaaaatcaga	aaagcaaaag	ggtccattca		240
tagca	gcttatattt	aaatatgtac	aggatgtat	gttttcacag	ttagatcttt		300
aattt	atatttgata	tgttcaaaaa	tacttctatt	ggctataaat	aatattttaa		360
caact	gatcaaaatg	cattccaaga	acatatcaaa	ttaaataaat	cttctacgtc		420
aaaca	gataattgaa	gtcagtaaa	cttgaggttt	gtgttaagtg	tattctgtca		480
tacta	ctagggaaag	cagaactctc	taaatacgat	acgaaagaaa	ctcccaaaagc		540
aggaa	tcggcagctc	ctgaactttt	tggggggggc	atccctcttc	gggattgaca		600
cataa	atggttgaag	ctaagggacc	ccccccgggg	gagtgggccc	caaaaaaaaaac		660
cttcc	cgtcaatgg	tggtccccc	accaacctta	aaaa			704

```
<210> 207
<211> 225
<212> DNA
<213> Homo sapien
```

<400> 207						
ccattttaac	tgtactgcc	atagaattct	ggaattgtgg	aaaattgtat	cattgaagtt	60
cagtaggatg	tgtggcttaa	aaatttatca	ggaccacaaa	aaagaaaaca	aaaatatttg	120
gtactgaggt	tcattgccag	ggcaggaggt	atttcagaa	aatactcatg	cctgtgttct	180
gttccttgct	ttcccaata	ctgcattgta	ctttcctaag	cggca		225

```
<210> 208
<211> 678
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(678)  
<223> n = A,T,C or G
```

<400> 208

```

cctatatcta tcaaaaaaaaaa tccagttcct aactaataat ctcccaaaaa gaaagcacca    60
ggaccagatg atataaatgg caaatTTTTT caatcattta aggacaaaat aataccaatt    120
ctgtatcatt tcttccagaa cacttcctaa ctcatcgtat gaggccagca tcaactctaat    180
agcaaaacca gataaagcca ttacaagaga gagtgcaga ccaatgtggt tttattgagg    240
atgcaaacaa aatttaacat aatatttaat agtgaaaaac tggatgctct ttcctaagt    300
tagagattaa ggaaagaatg tccccctcac tactccata caacaccta ctgaaaattc    360
tagctagctt tataaaataa anaaaaacca naaaataaaa taaaagggtg acagactgga    420
agatacagtg aaggaggaag aaataaaatt ttctttgcgc ataacatgat tcttctatgt    480
ggaaatcaca gagatttgaa catttttttt ttttgagaca gtttttgctc ttgttgccca    540
ggttggagtg taatggcgcg atctcggtc actgcaacct tcacctccg aattcaagg    600
gattctcctg ccctcagcct tcccgagta agcttgggga ttaacagggc atggcacccc    660
ccatgcccc agctaaat

```

<210> 209

<211> 720

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (720)

<223> n = A,T,C or G

<400> 209

```

attattttga accctagcat ttagaaatga aaaacttttt ataacaatca aatacatgat    60
aaagtatgca aagagtagga aattattctg atgacatatg gagggttaca aaggagaaaa    120
ctttttgcta cctctgataa agaatagact aaattctcca agaccaatct gactgggtgc    180
ataataaaaag gaggtacaca cggaagcaca agggatgtgt gcctctggag gaaaggtcag    240
gtgaggactc agtgagaaga caagccaagg agccaggtct tggaagaagt caaccctgtt    300
gacaccttga tcttgacta accctgtgga caccttgatc ttggactttt agcttccaga    360
actgcnagaa aataaatttt tcttgtttaa gccaccana gtgtantgtt ttgttatggc    420
agccctaaca aattaaaatt atattttaac agagaatata aaattctaat ataacatttt    480
acagtaaagc attcatggtc ttttttttct tattaataaa tccatcaaaa cagaaagttt    540
tgcaaaattt taacacattt ctctaccact actgtttcta ctctcttaaa actactccgc    600
aaatataaaa atagaaggcc aaaatgcac attaaaacga tgtttgggga ctaatggcct    660
taaaattcta ttacacttgg aaatatacaa atattcaaag attatctatt gatcacctca    720

```

<210> 210

<211> 277

<212> DNA

<213> Homo sapien

<400> 210

```

tccatgtatt ttatacaga atggaacaat atgtatgtat gcaatyktta cattccacca    60
tgaaataaaa cagtataatg aaaataacaa tagattcaaa caatgatatg ctattttttt    120
ttacctatga cattggcaag gtcttcttaa aaaatctgcg aataaccgat gttggagaga    180
tcatggggaa atagccactc aaatgttact catgagagtg tacatatgtg taacttcact    240
tgaggggcaa tttggtgata catttaaaaa gtttttgg

```

<210> 211

<211> 715

<212> DNA

<213> Homo sapien

<400> 211
 gtggtagaaa tactaatttt gcaattacag aaaaaaacia atgccattca catggttyct 60
 aacaaaaagt gtctgaccac cccaccccc caccctcaa aaagccctta aataaagagg 120
 aagatcaaaa gaaaacaaaa taattcccga gtttcacctc atacatacaa tatagcacag 180
 gaagtggcaa agtttaaaat aatgccttta ctggttaggac tagtatgctg tcaaaagcca 240
 caatcctttt gtttttagtga gttgattttt aatagaaaaa taaaaatgaa catgtgttta 300
 agttccaaca tggattgagc acctctgaat ttagtatcaa atgattaatt ttatttttca 360
 gatgtcaaat cttagtataa aattttccat tattttaaac ttcacttgaa tctttaaaaa 420
 aactgtctaa attgtactat atgagttcag tttaatcttc tgtaaaatgc taacaaattg 480
 aactgtcagc agtcttttaa aaaaaaatgg gggctgggtt atttctagaa gaactctcat 540
 taagctttga aaatcagaaa tcagagacaa ataacttcag atatagacta gctccacaag 600
 caaatttata caattatctg taacagtcta tacatatatg tgtatatata tataccgtaa 660
 ccactttcat aggtaaaaaa tattaacttc atgtcacact atgatcagaa gtata 715

<210> 212
 <211> 717
 <212> DNA
 <213> Homo sapien

<400> 212
 agcctcccc aatgccttaa aaggtcacag tagatctcag ctctgaacag aaactcaact 60
 gaaactcttc ccacaacca gcagtagata tattaaaacc tacaattttc agggatacaa 120
 ccaatattta attcttttga gggttttgtg tttaatacaa ggacacaaac acacgtataa 180
 aatgacgatg tcaatactga ttaaacagaa caacaaaata agaagctcaa attatcatca 240
 gctattgtgt atatctgaaa taacaataat gcacttgatt ctgaaagaat gattagagtt 300
 cctactctga aaatctaatt gtcttgatgt ggcgaagtga gaagaaagga tgatttttct 360
 aatgaaaagc atgtatacgg gtagcccttt gcgagattct gtcaaaaccc tgaattttgc 420
 attagctggt ttaccacca aacgttttta cccgaggatg tgcagcaatg ggaactctca 480
 tacactgctt gtgggaatat aaatcagtat aaccactttg gaaaaccatt taacattgtc 540
 aactacagct ctacacacaa gtgctataac caccatttcc actccagggt atacacccta 600
 aaaatatgaa gtgcccattg ctacccaaaa ggccgcctaa aaggaatgct tttgagaagg 660
 gttaaccttg ttaattagtg gcaaaaactgg gaaaacaacc cccaaatggt cccatcc 717

<210> 213
 <211> 599
 <212> DNA
 <213> Homo sapien

<400> 213
 cctgttttgg cgaggcagga gggaagcggg atgggagtggt tgggttaggcc aagggtagtt 60
 caaagcgatt cagcaggatg atgaccacag gagtgctgga gccgggcctt tcagcccccg 120
 tgtggatgat gaccggccat ccaggacatg cgagggcttg ggacagtgga cagccagtgc 180
 cacacaagga aggaccgatt aaatgacaca gttaaaggaa tttggcctag ggagtgaag 240
 ccagaaaggt ttggtctttt tatatatgta acattggaaa aaaggaacat ctctgttcc 300
 ctgtattaag ttttgacttt agctcagcaa atgcagtgtt tgtggcagta aatatactct 360
 gataacaatg ttctttccca ggaatttaga gttttatgat ggttattgaa aatgtttaca 420
 tgacaggctg tcaataatat tttttgcctc taaaaataaa acatacataa agtgtagcga 480
 ttttaagtat gcaactcact gaacttttca taccgtaata caccacccta gtaaccctcc 540
 cccagttcaa gatgtagact gtttccaata acccctcatc ctgttcctta atagcccc 599

<210> 214
 <211> 789
 <212> DNA

gagcctcccc aatgccttaa aaggtcacag tagatctcag ctctgaacag aaactcaact 60
 gaaactcttc ccacaacca gcagtagata tattaaaacc tacaattttc agggatacaa 120
 ccaatattta attcttttga gggttttgtg tttaatacaa ggacacaaac acacgtataa 180
 aatgacgatg tcaatactga ttaaacagaa caacaaaata agaagctcaa attatcatca 240
 gctattgtgt atatctgaaa taacaataat gcacttgatt ctgaaagaat gattagagtt 300
 cctactctga aaatctaatt gtcttgatgt ggcgaagtga gaagaaagga tgatttttct 360
 aatgaaaagc atgtatacgg gtagcccttt gcgagattct gtcaaaaccc tgaattttgc 420
 attagctggt ttaccacca aacgttttta cccgaggatg tgcagcaatg ggaactctca 480
 tacactgctt gtgggaatat aaatcagtat aaccactttg gaaaaccatt taacattgtc 540
 aactacagct ctacacacaa gtgctataac caccatttcc actccagggt atacacccta 600
 aaaatatgaa gtgcccattg ctacccaaaa ggccgcctaa aaggaatgct tttgagaagg 660
 gttaaccttg ttaattagtg gcaaaaactgg gaaaacaacc cccaaatggt cccatcc 717

<213> Homo sapien

<400> 214

ccttatgaca	aaccttgcta	tgccaaggat	atgcttcact	atcttcatct	atcaaaacac	60
tatgcatcat	agatatctaa	ttttttcatc	tcttgcata	agtctttcct	gattttccctc	120
tgctgaaatt	tctctcttca	aatgatgtgt	ttccatagta	ctttgtccct	tttcaaagat	180
atatctcaca	tcgcatatct	taccacagtt	agtttcattt	cttaactctc	acactagatt	240
acaaagtcaa	tatagacaaa	gaaatgttca	accttatata	acctcctctg	cctatgctgg	300
taaattgcac	ctactatgtg	ttcaataaga	gcttgtcttt	ttcaatatac	aaaactttgt	360
aaagattaaa	gaccttgtag	aaagtcaaga	ggaagatagc	aatttcactt	ctaagaactt	420
accctaagga	aacattcatg	aagagataca	aggggttatg	tgcatggatg	ttcattatca	480
tattattctt	cattatgaag	attatgatgg	taataatgaa	aatgattatc	ttgtattggg	540
ccttatttga	agtcaagcat	tgagaatgta	ctttatctgc	attatctcac	tgagttctcg	600
tagcagccct	ataaggtaca	gactgttatc	taagcttaaa	aaaataaagt	taatgtccaa	660
ggtcaaacaa	ctagtaaaag	aagggggcta	ggaaatttgg	aaccccaaaa	ggggcaacct	720
ctcaagggct	atgaatcctt	accattatta	taaggaagct	tggcccatgg	tggcccaaaa	780
aaaaccggg						789

<210> 215

<211> 765

<212> DNA

<213> Homo sapien

<400> 215

ggatgtctga	gcaggagaga	gaccatgtga	aggatggact	gaatggagac	ttgtatcaaa	60
gagtctgagt	atcaaagact	tgtattagag	agggttgttg	tagtaatcta	gtcaggggat	120
gagaaatggg	ttgtattaga	gtgtcaggag	tagtcgtggc	aaaaatata	agatcaggat	180
gagggatggg	cctcatctca	cacctgact	ccagtcaatg	gcagtggctc	cctggagtac	240
actactatag	gaaggatttt	gtaaagtttt	gtctggcctc	agtggagggt	gaggtagggg	300
aggagttcta	tgaacagtta	gtggtgtctg	ccatggttga	aacaatggag	aagggggaca	360
ccttttctgt	gcagatgttg	cttctggtag	atataatcca	caatgtaatg	ggagaagtac	420
taagaatcag	taaattatgg	aggggtgtaa	agactactga	tatttaagcc	tgcggaaccg	480
acttagagaa	atgatagtta	aaggagaaat	atccagcaaa	caaagatatg	acattgaagt	540
ttgggactgc	gattagtacc	agagattttg	attggagggtg	atttgtatag	aatggatagg	600
tgattttact	cttgcaattt	ggattgaggg	gtggggaaaa	ccagaaaggg	gctggggggg	660
aaattagtag	aaggtcacct	tgaattcatt	gtggtccata	tcaatgctga	aactgattgg	720
ggaacttttt	actcttgagt	ccctttgtaa	gggaacccca	gaaag		765

<210> 216

<211> 780

<212> DNA

<213> Homo sapien

<400> 216

cctttttctg	tggcaaatgg	aggcttttca	ctgcoctgtg	agacaataca	gtaagcatag	60
ttaaggggtg	ggtcagaaca	tgtaaagata	acttactgta	tatgtattcc	cttgtatttt	120
gttaaagctg	gaacatttga	tattttttcca	tttattttatg	aaaaaatatg	aacctatttt	180
catttgtaca	aggtaatgtt	tttttaaagc	aagtcacott	aggggtggctt	taattgtata	240
agtcaagcac	atgtaataaa	ttcaaaacct	gcagttaaca	ggatattaga	catcaatcct	300
ggtaacccaa	tattaaagat	tctcttttaa	aaagactgaa	catgtttaca	ggtttgaatt	360
aggctaaaag	gtcttgcagt	ggcttttcat	ggcccttcaa	attggaatgg	aactactgta	420
ctttgccatt	tttctataaa	tcagtacttt	tttttttaatt	ttgatataca	ttgtgtgaaa	480
aaagaaaatg	gctaataaac	tgtattaaat	cttaaacat	gtataaagat	tgcaacttagc	540
cagttcaaa	tgtatactta	ttcataatga	attataacag	ttatatttct	gtgttttctt	600

gtaaagtgtt	cttttccctt	aaatacagat	aattcatttg	tattgcttat	tttattatga	660
gctacaacaa	aaggacttca	ggaacaagta	atgtattagt	atggttcaag	attgttgata	720
ggaactgtct	caaaaggatg	gtggttattt	taaatataaa	tagctaattg	gggtggtaaa	780

<210> 217
 <211> 810
 <212> DNA
 <213> Homo sapien

<400> 217						
cttttaggca	gcccggcacc	ttcatccata	ggcagagaga	gaactgggtg	ttggagactt	60
attcgagggg	ataggaaggg	ccctgtgaag	ttgatttaac	ttttggatgt	cagactgtga	120
aagctcctga	gaaacttggg	gtaataggat	cttcttttgg	ggatgaaaat	ggggaaggcg	180
tgaggaccta	gactacttct	ccctagggtca	gaaaaagaga	attaccctt	gacaaatatg	240
atacctgcta	ggtatttccc	agggaaattt	agggattggc	gtctttccct	agcatgtgga	300
ggaattggca	gacagcttcc	taagggcggg	gagcgggggc	ccaaggctga	cactgcttgc	360
atccacgtga	ccttaagtta	tggcagatga	ctctgaaacg	gactgaggcc	aatgagaaca	420
gatggatgga	gcactcaggt	tagacttggt	ccttctccta	tgctggagga	gagggatggg	480
tctctagaat	gttggaggtg	agttgagagc	tgcctctctg	aatgttgaac	agtgtactct	540
tctgaaaact	gcatattcac	tttatgtggt	ttcagaatac	tgggctcaat	actaacataa	600
gaaagacact	tcattgagaa	attcttaagc	ttacagaaaa	cctatctctt	tgcacattcc	660
acataacccc	tagcaaaatg	caggttcttc	atacttctgt	cctttttcca	ttggaagaat	720
tgtttaagga	aaaattaatt	cctattttatt	cccacaaaag	gttgggcatt	gcttttgattt	780
taccccatgg	gggaatgtgc	ctttgaattt				810

<210> 218
 <211> 817
 <212> DNA
 <213> Homo sapien

<400> 218						
ctgctccctt	atggaggtct	cttcattaat	aattattgga	tagatagaga	aggtgagcct	60
gtggcttcca	agtaccggct	tttgcgtgaag	gtctacatgg	gaagaagagc	atcatttgat	120
attcagtaga	tctgccacac	ccaactgggt	ccatctcctg	gaaaacagca	ctcactacaa	180
gcaactgtaa	tagcaccacg	caatgaccac	gctgctcctg	ctggctcttc	cgtacaccag	240
taaatgaact	caccaatgta	ttgcacacat	acatttcaca	gtagtacaat	aaagccctgt	300
atcaggagtg	gtaattcaat	gacttgactc	tatagtgcac	tgcagcttta	tgtcatacca	360
acattcaaat	attcaaatat	ccttccaatc	catttggaca	aaaatacacc	atggctgcca	420
agacacatgt	atttttcttt	cttccatgga	ctcctaaact	gctcccacaa	tcagcagtgt	480
tcttctctca	gaaattatct	taagcttctc	tactcaatgg	gaggtacaca	cagagacctg	540
agaatatgca	gaggccagaa	tctctgtctg	tgctagagat	caactgtact	ctgccacct	600
ggggaacaca	tcctctgggt	aaagtactcg	gaagtaaatt	acattccctg	gagacagata	660
cggtctttca	ctgcagcctg	ttagaaaaca	caatgtctgt	aagttacctc	ataggtcaaa	720
gagttttgga	ttatatTTTT	cataatgggg	ctatggcctt	tttaccctgg	ttttaataca	780
gaaccacctg	cagaaaggac	attgaaatta	aaagcca			817

<210> 219
 <211> 661
 <212> DNA
 <213> Homo sapien

<400> 219						
ggatgctgag	gcaggaggat	tgagtccctg	agtttcagga	tacagtgagc	tatgatcatg	60
ccattgcact	ccagcctggg	caacagagca	agattctgtc	tctaagaaaa	ggaaaaagaa	120

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aatgaataga tagtgggtatt agatgttaat gacatcagtt gttttttattc tttattcttt 180
cttagaaaaca gattagtttt ctcgaattaa agaactacca tttttctttt ttctacaact 240
ttcaagagct ggtgaagaaa tgatgttttag atttaataga tatagtagca gtcatatatt 300
aatagaatag aaactgagac tctaggaaaa agatagacat gagataagga gtaggcattgg 360
tagacatttc tagattattt atgaaaatgt tgtagaattc attttttttt ttgggtctgac 420
ctttggcaat ggtgctgagg aagggaaagc cagcccatca ggcaaggctc tgttttctgc 480
attttatccc gtttgattct tctcgttagg attggagcaa ataatttcaa tatgttcttc 540
gctgggttta tcatagtgc ccttcattta aagggaactt taacaattga cttaaagaac 600
actgagatgt gatattttat tgggatttga aagttgccat tgggtttttac cttccttaat 660
t. 661

```

```

<210> 220
<211> 792
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (792)
<223> n = A,T,C or G

```

```

<400> 220
cctctttttta ttctacaaa taatttttcaa gtacacacaa ttgggtaaac aaagaaacaa 60
agccaccaag aatgaaaatc agtaggaata acgaacaaga ctcacagatg tcaaacaagt 120
ctgtgggtct tgcagacttc agatgttgga attattagtc gtggcaagng nncaaaacat 180
tagctattac cattatgttt accaactagt gaagtgaact atgagaggat atattaacca 240
cagaagttaa tagaagaata gactcctgaa aatatctgga tgctacaaac taaaatatag 300
tatataatcc ttcataagatg gtcagtgcac tcatatttat aattacattt ttgtatatta 360
gcagtgttct agttcttact gccttatctt taagctgann nnaaataaaa ttatatattg 420
ggattcaaaa acacatagct aatgattact atgtggcagt gttacattac tttatcacat 480
atcattaaca taatctgcat gtgttcaaag agatcttcat acttctttgt agctccact 540
tctttgtcgt cttttagtgc cccacaacat ctagaacagc acaaccgtat atggagaaaa 600
ctcagtctag tattcgttga atgactaatg gaaaatttag ttnataaaaca gaactttctt 660
cattgnacaa attatcttgc agaagaataa tggccttagt ttaaaattat catattttacc 720
catntcncca ngttatttta tctcttttgg ctaanaattt tgaaaacggt acctttttacc 780
ctttggcatt tt 792

```

```

<210> 221
<211> 759
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (759)
<223> n = A,T,C or G

```

```

<400> 221
cttttctgct gctccgggag gtggagtggc ctggcagagg gcacatggct gccacctgct 60
gcaaggaaaa ttctcagtga agactcctca gtatgaagga gataagcctg cacaatcagt 120
cactgataga tgcttagtgg aaaaacttcc aattccatt tacagctctc agagctagga 180
ttaaaaactc ctggtcataa actcatgtga tgagaagtta tagcacgcc tcattttcta 240
catanccact tgcatttatg gttggctttt gaacttgcta gaagggaaag aagtgcaaat 300
gtgtcctcct tagagctact ctctccctt tgggtgggtt ccagtttgtg cattgtccag 360

```

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<210> 222
<211> 699
<212> DNA
<213> Homo sapien
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<400>	222						
naag	agttggcatt	aattcttcac	taaatgtagg	agtagaattt	atcaggtaag		60
ctgac	ctctggncct	nttnncgcc	gatgattttt	aattagttga	atccctttac		120
atata	tgtattcata	tattctgttc	cttcttggt	ttacttttat	gattggtgcc		180
aggta	tttatttcta	gtttgtggta	cttcatgtgt	ttaggttttc	tagacagtgg		240
gaaga	ttcaagaagc	taaatgtagg	agaatgtnta	atgtaggana	ntgaggcnac		300
catca	atgaatgact	tgaagtttcc	tctgttgtaa	agaatgatat	taccataact		360
agnta	atattgatgg	tgtaagtcaa	ataanaaggc	aggaggaaag	ggacatccat		420
aacca	canatcagag	ntcattgaa	gcctttgaga	agaatccaca	aaattttaca		480
attca	tttcctgcga	tcaccacnag	aagagaaact	ggttaaacag	acaggttattc		540
tccaa	aaatttacat	tgtgtttcng	aaccaaaagc	ctcagctccc	aggccacagc		600
ggggc	ttatgaattc	cctggcaccc	agncccaaga	cccaanaacc	tcactctgat		660
tnqqg	cttgggaaac	caaaaaacca	atgggtggc				699

```
<210> 223
<211> 598
<212> DNA
<213> Homo sapien
```

```
<210> 224
<211> 501
<212> DNA
<213> Homo sapien
```

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 224
 aaacctttat gatgacttcc ttatgaatta ctgaacgaac actggaatgg gactcaggta 60
 tcttgaggac atctctcaac tctggcctta gttccccctc tgtaaaatta ggggtgccaac 120
 taaatgatct acaagggtccc ttccagcgcc gccattctgt aattacatca tgtgtaaactg 180
 tattaacat acacaagtga ctgccaggca tgggaatgta acttccgagt aaatgctttg 240
 gtttgttcag aatacactat gaacttcttt ccaaagacgg gttgtggtaa atagtggata 300
 ttttgattat aagaaataga gtttccttga agcttttagct ggagatacag caatagtgtg 360
 gtgttcttac aaatatcaca gtgtattcaa acatattttt ctatcaaaaa tcatttttgt 420
 aaaagctgtg tgtttttatc caacttgtga taataaatgt tctttatttt agaacaana 480
 aaaaaaaaaa aaaaaaaaaa a 501

<210> 225
 <211> 295
 <212> DNA
 <213> Homo sapien

<400> 225
 cctgtatagg gctcggtttcc ccacacatgc ctatttctga agaggcttct gtcttatttg 60
 aaggccagcc cacaccagc tactttaaca ccagggttat ggaaaatgtc agggaaaaaa 120
 aaaaaaaaaa cacatgcact cacacaatac ccaaacatca raattagaag ggcataaaac 180
 agggggcctt ataggctgaa aaatatctta ratttcaraa cagaatacca atcaaatatt 240
 gaaaattcct ttgttcaaaa cacaaagatg ttttgttttt aatgggagtt ttttt 295

<210> 226
 <211> 372
 <212> DNA
 <213> Homo sapien

<400> 226
 agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg 60
 gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt 120
 ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccca 180
 ctggggaggt agaggaaatg acagagaaac cagaaatgac agcagaggag aagcaaacat 240
 tactaaagag gagattgctt gcagagaaac tcaaagaaga agttattaat aagtaataat 300
 taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tttagtcctg 360
 atgaaatgaa at 372

<210> 227
 <211> 599
 <212> DNA
 <213> Homo sapien

<400> 227
 ggcccccgct gcgggagccg ctccgggctt tctgggcatg tctgccatat ggctccagg 60
 ttgtttttct ccccggcact ctgacgggga gggctcccgg catctcctgg catccgggta 120
 gaggacgcgg aggatgctga gctgctggcg cactgcagca caactagaga tgtacggatg 180
 ccccatctt gatcttacag aatcagagggt acagccgcga gaaagagtca agaacagaca 240
 gagtcgcttg aggactcagg aggggtgttg ctgcgttgac aacagactac accctcacag 300
 tttgctctgc tcttccaaca ccagtggaag atgatcacat cccagggatc agtgtcgttt 360

agggatgtga	ctgtgggctt	cactcaagag	gagtggcagc	atctggaccc	tgtcagagg	420
accctgtaca	gggatgtgat	gctggagaac	tacagccacc	ttgtctcagt	agggtattgc	480
attcctaaac	cagaagtgat	tctcaagttg	gagaaaggcg	aggagccatg	gatattagag	540
gaaaaatttc	caagccagag	tcctctggaa	ttaattaata	ccagtagaaa	ctattcaat	599

<210> 228

<211> 343

<212> DNA

<213> Homo sapien

<400> 228

aaagtaaatt	gtatgaaaaa	ttcatttctt	caattgcatt	agccacattt	tgagtattca	60
tgtggctggg	agattctgta	ttagcacaaa	gatatggaac	atttccatca	ccacagaaaag	120
ttctgttggg	cagcactgca	ttagaatatt	ttcatactgc	tcttcctcaa	ttaatttttg	180
ttgttaatgt	tgatgtcttc	attggatggg	tcataatgtt	ccatgaaacc	gctcaagtac	240
acaattgtat	gttctttgta	tcccttacca	caaatatctc	gctctgctca	tttcttttgc	300
agcttctcat	aaagtttgtc	ttcctcaaaa	aaaaaaaaaa	aaa		343

<210> 229

<211> 417

<212> DNA

<213> Homo sapien

<400> 229

ctcaagctgc	agtccaccgg	gtatggttct	ggatggttcc	cccaaggagg	caggatatgta	60
ggagggtgaag	aaaactgaga	tttcaagtat	gggagagttt	ttactatctc	cattcctgga	120
ttaaaagtgc	tgaaaaagtc	cacagttaaa	cattccttta	ttcaccctat	ggctcccaag	180
aaaagcattc	ttcctctgga	gtactggtgt	actaagggga	caatacacca	aatttggtga	240
gtttacaatc	aagtctacta	aggttggact	tccttatcag	tttggcagag	tcccagggca	300
gaataatcat	ccatctacag	gtctctgttt	cctctccctc	cgcagcagtg	gagagcatcc	360
cagtgtttgg	ggcactgtgt	tcctcttcgt	ccctgcacca	gaccttgga	gccttgg	417

<210> 230

<211> 462

<212> DNA

<213> Homo sapien

<400> 230

gaaataccag	aagagaaaag	ttcattgtgc	aaatctaact	tcattggcctc	gctggctgta	60
ttccttatat	gatgctgaga	ccttaatgga	cagaatcaag	aaacagctac	gtgaatggga	120
cgaaaatcta	aaagatgatt	ctcttccttc	aaatccaata	gatttttctt	acagagtagc	180
tgcttgtctt	cctattgatg	atgtattgag	aattcagctc	cttaaaaattg	gcagtgctat	240
ccagcgactt	cgtgtggaat	tagacattat	gaataaatgt	acttcccttt	gctgtaaaca	300
atgtcaagaa	acagaaataa	caaccaaaaa	tgaaatatte	agttttatcct	tatgtggggc	360
gatggcagct	tatgtgaatc	ctcatggata	tgtgcatgag	acacttactg	tgtataaggc	420
ttgcaacttg	aatctgatag	gccggccttc	tacagaacac	ag		462

<210> 231

<211> 328

<212> DNA

<213> Homo sapien

<400> 231

ctgtggggtt	tcctaaacgc	ccctcatctg	gttgaagccc	tagtgtttct	ttctcacatc	60
------------	------------	------------	------------	------------	------------	----

agaggcaaat	gcattggggt	gggtctgggt	tggacaataa	atttcctctg	gtttggacca	120
agaaaaacag	agttctttga	ccgctaacat	atatgtaaaa	agaaagtttg	taaaaacaag	180
agttaaaatg	cttctaacag	tgtggtcac	actgcacagg	acactggaat	tggcattcgg	240
ggttgtgtct	gtccatgtgg	tttcgttgta	tgtcatgtgc	tctcagctca	gacagagaca	300
tccaattgac	ttctgacttg	gggcattt				328

<210> 232
 <211> 595
 <212> DNA
 <213> Homo sapien

<400> 232						
cgccaatttt	agcaaataag	agattgtaaa	agaagcagat	tgaatgaaga	atTTTTtagct	60
gtgcagatag	gtgatgttgg	gatggaaaat	gctaataaac	taccctttct	tttatcaagt	120
aattaaaata	aattctacata	aagaaccaa	aaggctgttt	tataaaagtg	aaatatccag	180
tatttcagag	ggccaggcaa	gagcacttca	gatgaggcag	tcaaaatcat	ttttttccag	240
tgaggataga	ccacaagtgg	gtgggtgagac	cattgaaagc	ctttatcaac	tgaagagtcc	300
atttaacagc	ataattttgtg	ggaagactgg	aatagggctg	aataaatgtg	tttgaatctc	360
taattttata	ctttcttttc	ctgaggaact	tgatttttct	gtccctggat	cgcttgtca	420
taattgggtc	tgttcccttt	actaccactc	ttgagtccat	atatgaaatc	attaaagttg	480
gatgatcagt	tttttataaa	aatatatatt	tttgtccaag	aaaaaaaaaa	gcatacatat	540
gtgattatgg	ctaaatcaaa	ggtaactgga	atgtatatac	ttttgtcaat	gttcc	595

<210> 233
 <211> 600
 <212> DNA
 <213> Homo sapien

<400> 233						
atgaaggtaa	actctaaaat	cttcataggt	caacaaagaa	aattttatcct	tcacacttat	60
ttctagaaaag	cagcagggtc	tatttcttag	attgcttaca	atgaagctag	aatatctgctg	120
ataactgtag	agtttcaaaa	aggatcccta	gggctacttc	tacgttctcc	ttaccagttg	180
agcactctcc	ataatttcca	gacgggtcat	gggggagaat	gatagaaatg	agcgtgggaa	240
gaaagacaat	gaaattagaa	atgggtgaga	cacatgggtg	tagaatgcta	agagcagggg	300
tcaggacaat	caaccagggtg	tctaggaagg	gtcaagtcac	cagtgtcatc	tgctgaccaa	360
tgtaggaag	aaataaaactc	aaaggaaaca	ccacattttt	ccaattaaac	tcaaacttat	420
tgacttgtgg	tggttctttg	atgttgtggg	gactgctata	acagaaacca	attggatttt	480
caagggcaag	aaactttgcc	actgaataag	atgatgtcat	ccttctctgat	aacaaatagg	540
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 <212> DNA
 <213> Homo sapien

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gtttgctaaa	ccatagacag	acaacctctt	tgtgactggg	attataagg	ttataatgaa	240
aacttatcaa	atataaaaag	tgctccctct	tgaaaatgtg	tattttattt	gaagttttga	300
gtaagagggtg	agtgtttggc	aattttcaac	actccctcca	aaaatctccc	aaagttgcaa	360
aaaagtcagt	ttagtaaaat	tccaagcact	taaatgcttc	attgagggcc	agttgatata	420
cgcaatgcac	taatgtgtaa	aaattaaccg	aatgcaacta	ttttataatg	gagagctctt	480

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500

<210> 235

<211> 159

<212> DNA

<213> Homo sapien

<400> 235

aaaattttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata	60
caacttttcag gccacagttt tgaaggctctg aagtattaag ttggtttgat gaattagtcg	120
gttggcactt acgaacacat ttattgcctt gccatcttt	159

<210> 236

<211> 254

<212> DNA

<213> Homo sapien

<400> 236

aaataagtga ataagcgata tttattatct gcaaggtttt tttgtgtgtg tttttgtttt	60
tattttcaat atgcaagtta ggcttaattt ttttatctaa tgatcatcat gaaatgaata	120
agagggctta agaatttgkc cattttgcatt cggaaaagaa tgaccagcaa aaggtttact	180
aatacctctc cctttgggga tttaatgtct ggtgctgccg cctgagtytc aagaattaaa	240
gctgcaagag gact	254

<210> 237

<211> 591

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(591)

<223> n = A,T,C or G

<400> 237

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tggtttaaaag tcagtyttta tagccatttc aactgcttggt tttaaacaaa aagcaacaat	180
ctggttatyt acctataaat ttcatgggtat ttttttaaac actgaagtac taaaagcact	240
gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc	300
cctttataaaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc	360
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tttttcatgt ttctgngaa ttcanagctt acaggtggca tcaaaactca aatctctggg	540
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<210> 238

<211> 252

<212> DNA

<213> Homo sapien

<400> 238

aaatggcttt tgccacatac atagatcttc atgatgtgtg agtgaattc catgtggata	60
tcagttacca aacattacaa aaaattttat ggcccaaaat gaccaacgaa attgttacaa	120

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<210> 239
<211> 153
<212> DNA
<213> Homo sapien
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<211> 382
<212> DNA
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<210> 241
<211> 400
<212> DNA
<213> Homo sapien
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<211> 75
<212> DNA
<213> Homo sapien
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<210>	243
<211>	192
<212>	DNA

<213> Homo sapien

<400> 243

ggtccacatt	tgtagcgaac	actttgactc	caaagagaag	gaggaagaca	aagacaagaa	60
ggaaaagaaa	gacaaggaca	agaaggaagc	ccctgctgac	atgggagcac	atcagggagt	120
ggctgttctg	gggattgccc	ttattgctat	gggggaggag	attggtgcag	agatggcatt	180
acgaaccttt	gg					192

<210> 244

<211> 616

<212> DNA

<213> Homo sapien

<400> 244

aattttatag	caatatactg	accatttctaa	aaataacaaa	atacatgttg	ctctcaacta	60
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ctgctcaaac	atttgaatac	aataaaaatg	tatctatata	catataatga	tcattgtttc	180
atagcctaaa	atcaccatac	aaaatctaata	aataaaaattg	tgtcgtgttc	aggagtggg	240
aagccaacac	attaaattaa	caaagtattt	ttggtatatg	taaataatgg	gatagaatct	300
ctcgaatcag	gattgtccca	gaagttctaa	ggcagatgtc	aatgacatgc	acattgtcca	360
tgttcagtaa	ttttcaaaga	ctagaataaa	ctatgtaaac	tattcaatac	aattcaatat	420
tacttaactg	ctaaaaagta	cttcaagatc	ttgcactgcc	ttgagttagt	ataatcaaata	480
tagtaattgg	aaaatagctg	taatagcagg	cactgaagaa	ttctgacaaa	taccaaataa	540
ctgtttgttt	ttaccaaata	aactggtaag	atgatatcac	aaagggtttt	aagttatttt	600
gctatacaag	gttttt					616

<210> 245

<211> 165

<212> DNA

<213> Homo sapien

<400> 245

ttggaacagt	ggattaaaaat	ccagaagggg	aggggtcatg	aagaagaaac	caggggagta	60
atttcttacc	aaacattacc	aagaaatatg	ccaagtcaca	gagcccagat	tatggcccgc	120
tacctgaag	gttatagaac	actcccaaga	aacagcaaga	caagg		165

<210> 246

<211> 229

<212> DNA

<213> Homo sapien

<400> 246

tgtactggat	ccctccaggt	gggggcgact	ctcacctgac	tattacaata	gcctcctaag	60
tggtttccct	acttgcaacc	ttgccgtat	aatatctatc	ctccacacag	caggcagggc	120
gaccttttaa	gaatagaagt	tagatcatga	aatgctctg	ctctgatccc	tgcaaaagct	180
cgccacctcc	ttacagtcac	cgctgaactc	gtagcagagg	ttcaggagg		229

<210> 247

<211> 338

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (338)
 <223> n = A,T,C or G

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 tacaggngga gcagctcctg tacgaaagcc ctgagcggta ctcccgtca gtgcttctca 120
 tcacccagca cctcagcctg gtggagcagg ctgaccacat cctctttctg gaaggaggcg 180
 ctatccggga ggggggaacc caccancagc tcatggagaa aaaggggtgc tactgggcca 240
 tggngcaggc tcttcagat gctccagaat gaaagccttc tcagacctgc gcaactccatc 300
 tccctccctt ttcttctctc tgtggtggag aaccacag 338

<210> 248
 <211> 177
 <212> DNA
 <213> Homo sapien

<400> 248
 tgaaaacaaa tgaattctca actcctacgg ttcatgtaga gtttagagaa aatttccatc 60
 attgtcatca ttgaactgtg aacctgggaa gccagatcat gattaacact gacatcaagt 120
 ttcaagttgc agatcaatgc acccagtgtt cagatgaggc aaacttctcc gtgacaa 177

<210> 249
 <211> 263
 <212> DNA
 <213> Homo sapien

<400> 249
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 acatacacag tatctattca gactttttac agcagaggac agcgtgctta ttatcagtta 180
 attggtaatt attttctcca aaattacctg tggaaaaaag aaattctgaa aacttaaaaag 240
 aatcaaagtg atctgattac ttt 263

<210> 250
 <211> 333
 <212> DNA
 <213> Homo sapien

<400> 250
 aaaaaaaca acagcgtaaa tattagccca caagagcagt cctaaacaat cacaattaca 60
 ctgtactacc caagaagact gtttattgtg aagcatttac ctttcaaaaa atcattacat 120
 ttctatttct tgggtggagca gcacattgtg gagtgtgatt ctttaattctt cattgagttt 180
 gtcaatagga cattgatgct ggatagggtg tcttttggtt ttatgcctca gaccatcttg 240
 tgagattgtt tgcctatctc ataatacagt tttatgcaga aagggttgaaa ctatgtaaat 300
 ggtttttatg gaaattatca gttacaatat ttt 333

<210> 251
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 251
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 tatcttaata tatccccgaa ctgggttagga tagatacaaa tagatttttt ataataaaaa 120

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gaaagtgatc	tgatcacact	cagtgtcccc	agcccagcct	ttcagtgccc	tggccctggg		240
gtgggggaca	atactctcct	caccctcttc	actagatcttc	atgaatagca	aggaggccat		300
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<210> 256
 <211> 186
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(186)
 <223> n = A,T,C or G

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 ttgaccttg acgcatctgt cacatcatgc acagggacct tgaaaggact gcctggcact 180
 tgatgg 186

<210> 257
 <211> 255
 <212> DNA
 <213> Homo sapien

<400> 257
 ctgggggtccg tcaccgacct ttgggggaact ggggtacggg gaccacaagc ccaagtcttc 60
 cactgcagcc caggaggtta agactctgga tggcattttc tcagagcagg tcgcatggg 120
 ctactcacac tccttggtga tagcaagaga tgaaagttag actgagaaag agaagatcaa 180
 gaaactgcc gaatacaacc cccgaacct ctgatgctcc cagagactcc tccgactcca 240
 cacctctcgc ggcag 255

<210> 258
 <211> 604
 <212> DNA
 <213> Homo sapien

<400> 258
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 gaagatatct tactttttca gcaaactttt cttttaacac taaagcagcc tagggcaatg 180
 ccagatactt agagcttttc tcttgattat aagtagaaat gggggtgtct gggctagagg 240
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 ctgctctaga agcggttcca agcagcagag acgtcaggaa aggcacttct tagtaccac 360
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 aggagactga ggcaggaaaa tcgcttgaac tcaggaggtc gaggccgcag tgagccaaga 540
 tcacaccacc gcactccagc ctgggccttg caaagtgcta ggattacagg aatgagccac 600
 cagg 604

<210> 259
 <211> 429
 <212> DNA
 <213> Homo sapien

<400> 259
 aaaaatgtct gtatcgagat cttccagttt gaagtcttcc tcctctgtgt cttcccaagg 60
 ctctgtggca agctccactg gttctcccgc ttccatcaga accactgact tccacaatcc 120


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tggetatccc aagtacctgg gcacccccca cctggaactg tacttgagtg actcacttag      180
aaacttgaac aaagagcggc aattccactt cgctgggtatc aggtcccggc tcaaccacat      240
gctgggtatg ctgtcaagga gaacactctt tactgaaaac caccttggcc ttcattctgg      300
caatttcagc agagttaatt tgcttgctgt tagagatgta gcactttatc cttcctatca      360
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tcttgcttt                                     429

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<210> 260
<211> 385
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (385)
<223> n = A,T,C or G

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<400> 260
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tcgcaaatac agtctcagac acagactcaa gtattatcgc aggtcagtat tttctgaana      180
cgcatatggc agacggattt gcgtatacca aggagagtgg cataggaggg aaaagcatat      240
gtggctgaaa cctgtaagtt ggtggttggt atgcagaaat gtgtaacaga tcaaacggtc      300
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gctgactata aatcactttg ttttt                                     385

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<210> 261
<211> 230
<212> DNA
<213> Homo sapien

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<400> 261
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cgatccttta agaatagaag ttagatcatg aaaatgctct gctctgatcc ctgcaaaagc      180
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<210> 262
<211> 198
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1) ... (198)
<223> n = A,T,C or G

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<400> 262
atgttaagta aacatgaaat ctatataaca gaacaaaaat tcaactcttat gtcaatgtca      60
gcggtgttaat gtagatctat ttactganac agactctgta gtggcagaga gtggccttgt      120
taagccagga ccctgttctg caggctgtgg gtagaagcta ggaagtcctt ggagtttcac      180
ccagcttttc catgaatg                                     198

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<210> 263

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<211> 157
 <212> DNA
 <213> Homo sapien

<400> 263
 aaaatatatt tctaaacaga atgggcccag tcagtcacag taactgttga tctccatagt 60
 agagcaaccc acaaagacag aactgatttt tttcccataa tcaggggtga aaaatataca 120
 acttgtttct gaacccaaaac cacaatttct gcagttt 157

<210> 264
 <211> 290
 <212> DNA
 <213> Homo sapien

<400> 264
 ctggctactc caagaccctg gcatgaggct gaggacaact tacaagggct tcaccgaagc 60
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 gggacctatc attgccgtgc aggtggagaa tgaatatggt tcctataata aagaccccg 180
 atacatgcc tacgtcaaga aggcactgga ggaccgtggc attgtggaac tgctcctgac 240
 ttcagacaac aaggatgggc tgagcaaggg gattgtccag ggagtcttgg 290

<210> 265
 <211> 234
 <212> DNA
 <213> Homo sapien

<400> 265
 aaaaaaagga aaggaaagag aggaaaagaa aataaaataa gacgatttat tgcttctcct 60
 cagcatcctc cttggtctcc tcttccaccg agagagcttc tagcttttcc gccacttttt 120
 cggcatgata atttttgcct gatcctttct tttctctctc ttcgatctct ttcctgcatt 180
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<210> 266
 <211> 335
 <212> DNA
 <213> Homo sapien

<400> 266
 gtccatcatca tcccagtttg aggcagtgtc ggagtgggga aggccgtctt agaccataga 60
 ggttggaaga cgctgagaga tcatccagcc cagccccttg atgttacaga gcagaagaca 120
 gatgcccaaa caggagaagg cacttgccca cggtcatacg gcaggttgcc acaaaaccaa 180
 gatggcagcc cttcctcagc gtgcctcact gccactccca gagccaggga gcccataaa 240
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 accaggtggg aaaagcgcct ctgccagagt ccagg 335

<210> 267
 <211> 619
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(619)
 <223> n = A,T,C or G

<400> 267

tggagctctg	acgaagggat	cggggaggtg	ctggagaagg	aagactgcat	gcaggccctg	60
agcggccana	tcttcatggg	catggngtcc	tcccagtacc	aggcccggct	ggacatcgng	120
cgcttcattg	atgggcttgt	caacgcctgc	atccgctttg	tctacttctc	tttggaggat	180
gagctcaaaa	gcaaggtgtt	tgcanaaaaa	atgggctggg	agacaggctg	gaactgccac	240
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ctcctcatgg	aggaggaggg	ccactcggac	ctcatcagct	tccagcctac	ggacagcgac	420
atccccagct	tcttgaggga	ctccaaccgg	gccaagctgc	cccggggtat	ccaccaagtg	480
cgggccccacc	tgcagaacat	tgacaacgtg	cccctgctag	tgcccccttt	caccgactgc	540
accccanaga	ccatgtgtga	gatgataaag	atcatgcaan	agtacgggga	ggtgacctgc	600
tgcttgggca	netctgcc					619

<210> 268

<211> 147

<212> DNA

<213> Homo sapien

<400> 268

cctataaccc	agacaccagc	atggacaaaa	ctcagttata	ctgaattcag	agacaaaatt	60
cagtgcact	cttctaccac	ttattttaggg	ttctacagca	tttcactgag	cagacttagt	120
tttttgtttt	tgtttttacaa	acctttt				147

<210> 269

<211> 325

<212> DNA

<213> Homo sapien

<400> 269

ctgagctgta	ggaatggggt	cttggtacac	aagatagtat	tgttgagcta	gttttcgagc	60
tctgtgcaca	agcactctgt	aatcgggggc	catgccactg	tacaccaaac	ctatatgctt	120
ggtaattggt	tctactttgt	gtacacttcg	ctcatcatac	agaatggatt	tctgtttttt	180
ctcagttgct	aataccacac	catttgcagc	tttaattccc	acggacgggg	ctcctccagc	240
tacagcagcc	aaagcatatt	caatctggac	aagttttacca	gacgggctga	atgtagtcag	300
cgaaggctg	tacccgcgct	ccgcc				325

<210> 270

<211> 428

<212> DNA

<213> Homo sapien

<400> 270

aaacatatgg	taaattaccg	agtgacacct	ctgggctaga	gacctctttt	gaggggagtt	60
tgcaaaactac	ggattcaatt	tctttaacag	ttatgaagtt	ctttaaagaa	cctgtttggt	120
attgggggggt	tgtggtcacc	tgtgcttttc	tgagatttgg	cccctacatc	taagttgttg	180
aatgcatgtg	tgtagagttg	tttatggtgc	ttccctttct	tcttagaagg	gtctatagta	240
atatcccttg	ccttatccct	agtagtacta	atgtgtgttt	tcttacttct	tgacaggcaa	300
acacatcaga	gcataagtgg	ttcctaattgc	caagctgacc	tcccttgatc	tctgtcttct	360
acaggatatt	gacatgggac	ttctttatta	cctttttcagt	tcaactgatac	cttcaaatag	420
ctttattt						428

<210> 271

<211> 206

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(206)
<223> n = A,T,C or G

<400> 271
cgccccggag cccacggngg ncatggctgg canagcgctc tgcattgctgg ggctggctct 60
ggccttgctg tcctccagct ctgctgagga gtacgtgggc ctgtctgcaa accagtnggc 120
cgtgccagcc aaggacaggg tggactgcgg ctacccccat gtcacccccca aggagtgcac 180
caaccggggc tgetgctttg actcca 206

<210> 272
<211> 83
<212> DNA
<213> Homo sapien

<400> 272
ctggcttccc tgagaactca acaatgcctt ttcttgaggg ccttcctcga tcattccacaa 60
tgactacagc cctctctacc tgg 83

<210> 273
<211> 472
<212> DNA
<213> Homo sapien

<400> 273
ctggagaagg tgtgcagggg aaacctgct gatgtcaccg aggccagggt gtctttctac 60
tcgggacact cttccttttg gatgtactgc atgggtgttct tggcgctgta tgtgcaggca 120
cgactctgtt ggaagtgggc acggctgctg cgaccacag tccagttctt cctgggtggc 180
tttgccctct acgtgggcta caccgcgctg tctgattaca aacaccactg gacgatgtc 240
cttgttggcc tcctgcaggg ggcactggtg gctgccctca ctgtctgcta catctcagac 300
ttcttcaaag cccgaccccc acagcaactgt ctgaaggagg aggagctgga acggaagccc 360
agcctgtcac tgacgttgac cctgggagag gctgaccaca accactatgg ataccgcac 420
tcctcctcct gaggccggac cccgccaggg caggagctg ctgtgagtcc ag 472

<210> 274
<211> 205
<212> DNA
<213> Homo sapien

<400> 274
ccaggcggcc cgaggactta cggtcggcac ttctctgttc tcccggtgta gcgtgtggtg 60
tcgcctgcat gggtcgtaac tggatggtgt gtccaccatc gacacggagg ggctggattt 120
gtttctcagg caatcctgta ttttaatttt agatgtattt cctgaagcat atttttcata 180
gaatgtagcg tgtaaatagc ttttt 205

<210> 275
<211> 308
<212> DNA
<213> Homo sapien

ctggagaagg tgtgcagggg aaacctgct gatgtcaccg aggccagggt gtctttctac 60
tcgggacact cttccttttg gatgtactgc atgggtgttct tggcgctgta tgtgcaggca 120
cgactctgtt ggaagtgggc acggctgctg cgaccacag tccagttctt cctgggtggc 180
tttgccctct acgtgggcta caccgcgctg tctgattaca aacaccactg gacgatgtc 240
cttgttggcc tcctgcaggg ggcactggtg gctgccctca ctgtctgcta catctcagac 300
ttcttcaaag cccgaccccc acagcaactgt ctgaaggagg aggagctgga acggaagccc 360
agcctgtcac tgacgttgac cctgggagag gctgaccaca accactatgg ataccgcac 420
tcctcctcct gaggccggac cccgccaggg caggagctg ctgtgagtcc ag 472

<400> 275
 ctccctgccc tccccaccga catcatgctc cagttccagc ttggatttac actgggcaac 60
 gtggttgga tgtatctggc tcagaactat gatataccaa acctggctaa aaaacttgaa 120
 gaaattaaaa aggacttgga tgccaagaag aaaccacctt gtgcatgaga ctgcctccag 180
 cactgccttc aggatatact gattctactg ctcttgaggg cctcgtttac tatctgaacc 240
 aaaagctttt gttttcgtct ccagcctcag cacttctctt ctttgctaga ccctgtgttt 300
 tttgcttt 308

<210> 276
 <211> 201
 <212> DNA
 <213> Homo sapien

<400> 276
 aaattaactt tttcttgcaa aatattcatt tcattttttc caagaaaatc ttataaaggc 60
 aaaaataaaa ttttattttg gcaaatgtca tgaagtcgat actggcagca tatggagtta 120
 gttaaaaata gacaacaact gctagatata ttcaaaattc tatttttttt tctgagcata 180
 gtcaaagaga aattttcatt t 201

<210> 277
 <211> 520
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (520)
 <223> n = A,T,C or G

<400> 277
 aaaaaaaaaag tattcagcac catttgctca tnggtctttc agagtttggt cttaaagttt 60
 ctggaacttt cctgtctgta aagtaacagg aattactgag ctacattgga aagcctctct 120
 gggacaggca gtggggagtt aagcagtcac cataaaggaa tcagtgtaca ttcagcatgg 180
 tgacttgact acacaacaat cccttccccct ctactgtagc tcaagagaga catgcttcta 240
 accactgagg tatgaggagt ctcagactgt tatttgctgt tagaattggt cttcccagct 300
 aataacagta catctctggc acagatgcta ttggtcctta atgtcctgtg attttaggaa 360
 atagtttgga ttttagttcaa tttattcaga aaccaaactg gtttaattag cttcactact 420
 ctggcagagt aagggtatgc tgggttagta tctttataaa atatatataa tgtataggta 480
 aatcatagtc ttaaatcata cctaaaatac tgtatcattt 520

<210> 278
 <211> 264
 <212> DNA
 <213> Homo sapien

<400> 278
 cgcgcggggc ggaactttcc agaacgctcg gtgagaggcg gaggagcggg aactaccccg 60
 gctgcgcaca gctcggcgct ccttcccgcct ccctcacaca ccggcctcag cccgcaccgg 120
 cagtagaaga tgggtgaaaga aacaacttac tacgatgttt tgggggtcaa acccaatgct 180
 actcaggaag aattgaaaaa ggcttatagg aaactggcct tgaagtacca tcttgataag 240
 aacccaaatg aaggagagaa gttt 264

<210> 279
 <211> 414

<212> DNA
<213> Homo sapien

<400> 279
aaacatacaa taatttttat tatggaaatt aatctttaca tacaaaatca gctacgtaat 60
tttacttaca aaacaataaa aactgttctt tactgtggca acaaaagaag cattttgaca 120
aatgaaaaaa attaatgcaa acaaattaaa acaatgcttt tctttttact tgcttcactg 180
tctcttctat ttatttttcta tgatcatttg acacaaacat ggattacttt gatattctact 240
gaaacataaa tgataagggtt cttaaagggt gaattaaaag tctgggtggt caatatattta 300
gaagctgaat aaacaaaacg aaattggggt ttgtgattac agaggattta tcattttttc 360
cctttgtcca tatgaaaata tataatagaa aattaccac gggaaaacat tttt 414

<210> 280
<211> 262
<212> DNA
<213> Homo sapien

<400> 280
ccaccatgcc tggcctgctt caattttttg atgccacttt gtaaacggca cttattatg 60
gaaaatagga aaaagcaaaa ctaaaataag gaagaggata tatatataac ttttcacaat 120
ctcttttctg atccccctta gatgccaggt caaccaggac cacacacaga tttcatttta 180
tttgtagagt atatgaaaag atttaatagt ctcatgcatt ttattttacg tatactgatt 240
tctacgtttt gactgactat tt 262

<210> 281
<211> 349
<212> DNA
<213> Homo sapien

<400> 281
ctgtgaccgc ggtgcatcag tggatatagt tgtgtctccc catggggggt taacagtctc 60
tgcccaagac cgttttctga taatggctgc agaaatggaa cagtcactct gcacaggccc 120
agcagaatta actcagtttt ggaaagaagt tcccagaaac aaagtgatgg aacatagggt 180
aagatgccat actgttgaaa gcagtaaacc aaacactctt acgttaaaaag acaatgcttt 240
caatatgtca gataaaacca gtgaagatat atgtctacaa ctcagtcggt tactagaaag 300
caataggaag cttgaagacc aagttcagcg ttgtatctgg ttccagcag 349

<210> 282
<211> 381
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

<400> 282
aaacactaaa tgaagcttct cacaatttct aattataaac aaaaggctga aaacagtatg 60
ggaaacaaag tttcaaaaca aagaaaaggt gagtaaaagg tgccccctct atggctcatc 120
tgaaagaaac attttactca gagaggcaaa catttctgat ctaggagtaa gtttccact 180
cactttgcaa ggaccactc attctgcana aagacctaca agtctttctg gtctcaattg 240
caaagtacgt gaaaatgtgt atgaaagatc taaaagctaa atattagaat aaggctaatt 300
gaaatcaaaa ttgtgtgctg gtctaaatat acatcttcgg cttcttcctt tttagtaagt 360

<210> 287
 <211> 364
 <212> DNA
 <213> Homo sapien

<400> 287
 ctgcccacgc tcaaaccaat tctggctgat atcgagtacc tgcaggacca gcacctcctg 60
 ctcacagtca agtccatgga tggctatgaa tcctatgggg agtgtgtggt tgcactcaaa 120
 tccatgatcg gcagcacggc ccaacagttc ctgaccttcc tatcccaccg tggcgaggag 180
 acaggcaata tcagaggctc catgaagggt cgggtgccca cggagcgctt gggcacccgt 240
 gagcggctct acgagtggat cagcattgat aaggatgagg caggagcaaa gagcaaagcc 300
 cctctgtgtg cccgagggag ccaggagccc aggtcaggga gccgcaagcc agccttcaca 360
 gagg 364

<210> 288
 <211> 261
 <212> DNA
 <213> Homo sapien

<400> 288
 aaaattataa ctactcattc tttcttttagc cttagttaat ttgagcagaa gccacaacaa 60
 gcaaaccaca ataaatttag aattggcaga aatccacatt aactcctctt cccaagtttc 120
 cacactacta ccattttacag ttgtagggtt gtaatgtata attatgtaat gcagaaacta 180
 gctttgactt gtgtaacgat gcactgtcaa agtaagcaaa gtaagaattg aaattccaca 240
 ttcccagaat ttaacactca g 261

<210> 289
 <211> 261
 <212> DNA
 <213> Homo sapien

<400> 289
 ctgagtgtta aattctggga atgtggaatt tcaattctta ctttgcttac ttgacagtg 60
 catcgttaca caagtcaaag ctagtttctg cattacataa ttatacatta caaacctaca 120
 actgtaaagt gtagtagtgt ggaaacttgg gaagaggagt taatgtggat ttctgccaat 180
 tctaaattta ttgtggtttg cttgttgtgg cttctgctca aattaactaa ggctaaagaa 240
 agaatgagta gttataatth t 261

<210> 290
 <211> 92
 <212> DNA
 <213> Homo sapien

<400> 290
 ccactacccg aacttacagg tgccaaaaga agaaagggta taaacggaga ccacctatca 60
 ctcacagaa cctaggatca tcacattcct tt 92

<210> 291
 <211> 287
 <212> DNA
 <213> Homo sapien

<400> 291


```
<210> 292
<211> 270
<212> DNA
<213> Homo sapien
```

```
<210> 293
<211> 333
<212> DNA
<213> Homo sapien
```

```
<210> 294
<211> 123
<212> DNA
<213> Homo sapien
```

```
<210> 295
<211> 311
<212> DNA
<213> Homo sapien
```

<400> 295						
ctgcatacag	acatttgttt	aggtcacctg	gattatcttg	attgtcacca	tggcaactat	60
ccacaaccag	tgccatagg	tgtgagaaga	gtgatacaat	aatactgtgg	catggtcatt	120
tagctaatac	agtctaagcc	taacagaaac	cttttccatc	aaagtttttc	agagaataac	180
aacatctcat	aagaggccag	aggatggcct	gtgcttaata	tcacacctgt	acagtagggc	240
agtgcctccc	aggctgtctg	cttacatttt	agcttgtctt	acggttacat	atgggttttag	300
tatttttcatt	t					311

<210> 296
 <211> 241
 <212> DNA
 <213> Homo sapien

<400> 296
 ctgcggaaga tctgcaacca cccctacatg ttccagcaca tcgaggagtc cttttccgag 60
 cacttgggggt tcaactggcgg cattgtccaa gggctggacc tgtaccgagc ctcgggtaaa 120
 tttgagcttc ttgatagaat tcttcccaaa ctccgagcaa ccaaccacaa agtgctgctg 180
 ttctgcacaa tgacctccct catgaccatc atggaagatt actttgcgta tcgcggcttt 240
 a 241

<210> 297
 <211> 295
 <212> DNA
 <213> Homo sapien

<400> 297
 aaacacaaga tgaaaatact ctgttctgtc caaagcatca cctaattggtg tgaggcatct 60
 cacttagctg tggagaagtc cttggaatta gatctcagaa agacagcttt aagacagtaa 120
 aaccttttgg caatgggcta attgccttaa aagaagagtt ctacctgaaa gacctgcag 180
 gtggagaaat tgtcctacaa agattcttgg atatgttagt ggagataact gacatgggta 240
 gctgtgggtc aaccaggaac tgtcaacaac ctgatctctg caaaaccagg atgga 295

<210> 298
 <211> 347
 <212> DNA
 <213> Homo sapien

<400> 298
 ccaaaaataaa gcttcaggca agaggcaaag atccagtgga atatgggaga atgggtggagg 60
 accaacacct gctaccccag agagcttttc taaaaaaagc aagaaagcag tcatgagtgg 120
 tattcaccct gcagaagaca cggaagggtac tgagtttgag ccagagggac ttccagaagt 180
 tgtaaagaaa ggggtttgctg acatcccgcac aggaaagact agcccatata tcctgcgaag 240
 aacaaccatg gcaactcgga ccagcccccg cctggctgca cagaagttag cgctatcccc 300
 actgagtctc ggcaaagaaa atcttgcaga gtccctccaaa ccaacag 347

<210> 299
 <211> 268
 <212> DNA
 <213> Homo sapien

<400> 299
 aaaaagtata catgaaaaca tcacgaattg taccatgatt caagaataac ttttgaata 60
 gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtga agaaataaat 120
 gcaggaaagt ttaagtggat gtaagttttt ataaggaaag taataagagg aggctgcttt 180
 tgaaggtcct ttgatcttcc atgatgataa tategttgca aagttcttta acttgatttc 240
 aagtaattag cagttgacca cttggttt 268

<210> 300
 <211> 185
 <212> DNA
 <213> Homo sapien

ctgcggaaga tctgcaacca cccctacatg ttccagcaca tcgaggagtc cttttccgag 60
 cacttgggggt tcaactggcgg cattgtccaa gggctggacc tgtaccgagc ctcgggtaaa 120
 tttgagcttc ttgatagaat tcttcccaaa ctccgagcaa ccaaccacaa agtgctgctg 180
 ttctgcacaa tgacctccct catgaccatc atggaagatt actttgcgta tcgcggcttt 240
 a 241

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

```
<400> 301
tggaa agtgggataa gaaatctaaa gtaaccagct tatctttgaa acaatattat 60
aattg gctttt 75
```

```
<210> 302
<211> 247
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(247)
<223> n = A,T,C or G
```

<400>	302						
ccatgtttctc	tgaattgggt	gcagaagaca	agggcagagt	ggctgcggcc	cctattacct		60
ttgtagcagc	cacatcagaa	agcagaagaa	aacagtattt	ctgaaggcat	tgtttgaggt		120
tgatctcagc	actgaacgat	ttcaagccct	acgcaccana	acagaaggag	ggtggaggaa		180
gtgatcanag	ggaacgagct	gtaggtttgc	anaaatgtgt	gaaaccaaaa	tgatcactgc		240
ctactcq							247

```
<210> 303
<211> 535
<212> DNA
<213> Homo sapien
```

<400> 303						
ctgcttcaga	ggaaatcact	gaaaaataaa	gaaaaaccat	ccatgcatgg	ctgcatccag	60
tgtacctgta	atcctgaaga	aaaggtccta	attccttcca	tgctgaaatg	ctagctttgg	120
tttcagagag	agactttatt	gcaactgtga	ccaccgtcac	tggtgagcac	tgctgttcgg	180
ccccagcgg	acttaaaaga	ctggaatgtg	gtagtggcgg	tcgttctcgg	tcagcaggga	240
gatctccggc	cagtcctga	gaggtcctc	tgggtagcag	acttcaaagt	ctctggagtt	300
aaacttgaac	agtctgaaca	cttttatctt	tacttcaagg	gagtatccaa	gtataaacat	360
atcaatctgc	tctagtccac	atgtgtcgcc	tacagaattc	aggtgattca	tcatgaagct	420
caaaggatca	gaggatgtct	ccctggaaaa	caggagtcta	aaaagactgg	gaatgacctt	480
tttaqtcctc	atttgttcat	aaacttcagt	gacttgatac	agcatgatga	acttt	535

```
<210> 304
<211> 522
<212> DNA
<213> Homo sapien
```

<400> 304

```
<210> 305
<211> 165
<212> DNA
<213> Homo sapien
```

```
<210> 306
<211> 294
<212> DNA
<213> Homo sapien
```

```
<210> 307
<211> 181
<212> DNA
<213> Homo sapien
```

```
<210> 308
<211> 179
<212> DNA
<213> Homo sapien
```

<400> 308

```

aaggctgagg actgctggga gctcagatca gcccgagct actggctcat gggcagccaa      60
aaaatactgg atctgctgaa cgaaggctca gcccgagatc tccgcagtct tcagcgcatt    120
ggcccgaaga aggcccanct aatcgtgggc tggcggggagc tccacggccc cttcagcca      179

```

```

<210> 309
<211> 129
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (129)
<223> n = A,T,C or G

```

```

<400> 309
ctgcccgttt gcccgtagct gactcagntt cctcatcttc atctccatcc tcttcctcac      60
catcaccttc ttcttctctc tctcttctct cccaccttc ttctcttctc tcgtctacct    120
cattgtcag                                     129

```

```

<210> 310
<211> 390
<212> DNA
<213> Homo sapien

```

```

<400> 310
tgaggctggg ggagagccgt ggtccctgag gatgggtcag agctaaactc cttcctggcc      60
tgagagtcag ctctctgccc tgtgtacttc cggggccagg gctgccccta atctctgtag    120
gaaccgtggg atgtctgcat gttgcccctt tctcttttcc ctttctctgt cccaccatac    180
gagcacctcc agcctgaaca gaagctctta ctctttccta tttcagtgtt acctgtgtgc    240
ttggtctgtt tgactttaag cccatctcag gacacttccg tagactgttt aggttcccct    300
gtcaaataatc agttaccac tccgtccag ttttgttgcc ccagaaaggg atgttattat    360
ccttggggggc tcccagggca aggggttaagg                                     390

```

```

<210> 311
<211> 355
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (355)
<223> n = A,T,C or G

```

```

<400> 311
cctctctgtg ctgctgaagg cagatcgctt gttccacacc agctaccact cccaggcagt      60
gcatatccgc ctggtgagaa atgccgtgtc tagattgtgg acaagagcct gcgtgattat    120
gctatangga naaaaattct tcgagttcca cccnancctc tctaaacatt tggctcactc    180
aaaacaaaaa gncaccaatc ttantactgc tgaacttcat ttatgtnacc taacattaac    240
cntcgtagga aaaccaaata gccctctcgt ncangatatg ttgctaaagg actacctgt    300
tcaacacaac ggctccggtg tgtgaactcc tgtttgggtg attcccctac tctca        355

```

```

<210> 312
<211> 498
<212> DNA

```

<400> 312

<210> 313

<211> 653

<212> DNA

<213> Homo sapien

<400> 313

aaacttatca	gatttttttta	agtttaggtaa	tttcaatcca	cagtggctcc	atatggttaa	60
aaaaacaaaa	acaaaaacgc	atttaaggat	acacgaagca	gtgaaaacaa	agccccagta	120
ttttcgctaa	agtactggaa	atacctgttt	ctaaaaacag	ctttatattt	gtccactgcc	180
tagaatagct	ctcaccctaaa	cctcaaaaat	aagagcagat	agatttttaga	agcaagaaaa	240
ggtaaacagt	gcccatatta	tttgagactg	gctctgctgc	cctccctaag	ccagttttaca	300
ttctttgaga	ttcttgaggt	gggtgagtca	gggctgaaga	ctgcacaggc	catgtccctt	360
gctccaacta	ttcctcagaa	cgtcccagggt	ggagggagtg	gcctgtcgat	tttcaactcat	420
tccatggagc	tctgtgtaca	tgaaaatttc	tccaagtggt	gctttttgtcg	aatttcagaga	480
tacagcaagc	cacgcataaa	acatggagtg	tagagcactg	gtgtacctag	cttagaaaca	540
ccctcggtga	atgtggtact	gtggctcgaa	aggaagcaag	ggcacaggac	caggagactg	600
ggcggccagg	ctctcggagt	tccacacaca	cctgtgaagc	cgggccagca	cag	653

<210> 314

<211> 513

<212> DNA

<213> Homo sapien

<400> 314

ctggaagatt	ttgctgcatt	tggcattata	ctgtaattta	cagtatacaa	catctgggga	60
ctcagtacta	tcttagcaca	gactaacttc	tcccactccg	tcagaggtgg	caggtggcgg	120
gtcggtgggg	agggcctttt	ctccccataa	atgcctgaac	tttaatttat	accatataag	180
aaatcagtga	aaggtaaaca	acaaggttaa	tgtaactcta	ttataaattt	tgcatttttt	240
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<211> 1633

<212> DNA

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<212> DNA

<213> Homo sapiens

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<211> 3347

<212> DNA

<213> Homo sapiens

<400> 318

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<211> 1814

<212> DNA

<213> Homo sapiens

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<211> 3132

<212> DNA

<213> Homo sapiens

<400> 320

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<210> 321

<211> 2280

<212> DNA

<213> Homo sapiens

<400> 321

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cagggacaga actacaggag tcatgggaaa gaaaattctg gcttcactac tgctcactgc 2100
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aaaagcttct atgtgtctct ccttttggtg cctggcagct gtctaggatg atcactgatt 2220
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<210> 322
<211> 1398
<212> DNA
<213> Homo sapiens

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<400> 322
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<210> 323
<211> 1316
<212> DNA
<213> Homo sapiens

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<400> 323
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<210> 324
<211> 200
<212> PRT
<213> Homo sapiens

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<400> 324
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Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro
      20              25              30

Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg
      35              40              45

Trp Lys Thr Val Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala
      50              55              60

Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro
      65              70              75              80

Ala Lys Gly Gly Lys Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
      85              90              95

Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
      100             105             110

Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly
      115             120             125

Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr
      130             135             140

Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr
      145             150             155             160

Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala
      165             170             175

Arg Lys Lys Val Glu Glu Glu Asp Glu Glu Gln Glu Glu Glu Glu
      180             185             190

Glu Glu Glu Glu Glu Glu Asp Glu

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195

200

<210> 325
 <211> 263
 <212> PRT
 <213> Homo sapiens

<400> 325

Met	Phe	Arg	Asn	Gln	Tyr	Asp	Asn	Asp	Val	Thr	Val	Trp	Ser	Pro	Gln
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Gly	Arg	Ile	His	Gln	Ile	Glu	Tyr	Ala	Met	Glu	Ala	Val	Lys	Gln	Gly
			20					25					30		
Ser	Ala	Thr	Val	Gly	Leu	Lys	Ser	Lys	Thr	His	Ala	Val	Leu	Val	Ala
			35				40					45			
Leu	Lys	Arg	Ala	Gln	Ser	Glu	Leu	Ala	Ala	His	Gln	Lys	Lys	Ile	Leu
	50					55					60				
His	Val	Asp	Asn	His	Ile	Gly	Ile	Ser	Ile	Ala	Gly	Leu	Thr	Ala	Asp
	65				70					75					80
Ala	Arg	Leu	Leu	Cys	Asn	Phe	Met	Arg	Gln	Glu	Cys	Leu	Asp	Ser	Arg
				85					90					95	
Phe	Val	Phe	Asp	Arg	Pro	Leu	Pro	Val	Ser	Arg	Leu	Val	Ser	Leu	Ile
			100					105					110		
Gly	Ser	Lys	Thr	Gln	Ile	Pro	Thr	Gln	Arg	Tyr	Gly	Arg	Arg	Pro	Tyr
		115					120				125				
Gly	Val	Gly	Leu	Leu	Ile	Ala	Gly	Tyr	Asp	Asp	Met	Gly	Pro	His	Ile
	130					135					140				
Phe	Gln	Thr	Cys	Pro	Ser	Ala	Asn	Tyr	Phe	Asp	Cys	Arg	Ala	Met	Ser
145					150					155					160
Ile	Gly	Ala	Arg	Ser	Gln	Ser	Ala	Arg	Thr	Tyr	Leu	Glu	Arg	His	Met
				165					170					175	
Ser	Glu	Phe	Met	Glu	Cys	Asn	Leu	Asn	Glu	Leu	Val	Lys	His	Gly	Leu
			180					185					190		
Arg	Ala	Leu	Arg	Glu	Thr	Leu	Pro	Ala	Glu	Gln	Asp	Leu	Thr	Thr	Lys
		195					200					205			
Asn	Val	Ser	Ile	Gly	Ile	Val	Gly	Lys	Asp	Leu	Glu	Phe	Thr	Ile	Tyr
	210					215					220				
Asp	Asp	Asp	Asp	Val	Ser	Pro	Phe	Leu	Glu	Gly	Leu	Glu	Glu	Arg	Pro
225					230					235					240

Lys Ile Val Lys Lys Leu Gly Gly Thr Ile Asp Asp Cys Glu Leu Val
210 215 220

1. *Pharmaceuticals*: The pharmaceutical industry is a major contributor to the U.S. economy, with sales exceeding \$400 billion in 2019. The industry is heavily regulated by the FDA, which oversees the safety, efficacy, and quality of drugs. The industry is also facing increasing pressure from payers (insurers and governments) to reduce costs, leading to a focus on value-based pricing and generic competition.

Glu Gly Leu Val Leu Thr Gln Lys Val Ser Asn Ser Gly Ile Thr Arg
 225 230 235 240
 Val Glu Lys Ala Lys Ile Gly Leu Ile Gln Phe Cys Leu Ser Ala Pro
 245 250 255
 Lys Thr Asp Met Asp Asn Gln Ile Val Val Ser Asp Tyr Ala Gln Met
 260 265 270
 Asp Arg Val Leu Arg Glu Glu Arg Ala Tyr Ile Leu Asn Leu Val Lys
 275 280 285
 Gln Ile Lys Lys Thr Gly Cys Asn Val Leu Leu Ile Gln Lys Ser Ile
 290 295 300
 Leu Arg Asp Ala Leu Ser Asp Leu Ala Leu His Phe Leu Asn Lys Met
 305 310 315 320
 Lys Ile Met Val Ile Lys Asp Ile Glu Arg Glu Asp Ile Glu Phe Ile
 325 330 335
 Cys Lys Thr Ile Gly Thr Lys Pro Val Ala His Ile Asp Gln Phe Thr
 340 345 350
 Ala Asp Met Leu Gly Ser Ala Glu Leu Ala Glu Glu Val Asn Leu Asn
 355 360 365
 Gly Ser Gly Lys Leu Leu Lys Ile Thr Gly Cys Ala Ser Pro Gly Lys
 370 375 380
 Thr Val Thr Ile Val Val Arg Gly Ser Asn Lys Leu Val Ile Glu Glu
 385 390 395 400
 Ala Glu Arg Ser Ile His Asp Ala Leu Cys Val Ile Arg Cys Leu Val
 405 410 415
 Lys Lys Arg Ala Leu Ile Ala Gly Gly Gly Ala Pro Glu Ile Glu Leu
 420 425 430
 Ala Leu Arg Leu Thr Glu Tyr Ser Arg Thr Leu Ser Gly Met Glu Ser
 435 440 445
 Tyr Cys Val Arg Ala Phe Ala Asp Ala Met Glu Val Ile Pro Ser Thr
 450 455 460
 Leu Ala Glu Asn Ala Gly Leu Asn Pro Ile Ser Thr Val Thr Glu Leu
 465 470 475 480
 Arg Asn Arg His Ala Gln Gly Glu Lys Thr Ala Gly Ile Asn Val Arg
 485 490 495
 Lys Gly Gly Ile Ser Asn Ile Leu Glu Glu Leu Val Val Gln Pro Leu
 500 505 510

Leu Val Ser Val Ser Ala Leu Thr Leu Ala Thr Glu Thr Val Arg Ser
 515 520 525

Ile Leu Lys Ile Asp Asp Val Val Asn Thr Arg
 530 535

<210> 327
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 327
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Thr Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala Phe Asp
 20 25 30

Glu Leu Lys Thr Asp Tyr Lys Asn Pro Ile Asp Gln Cys Asn Thr Leu
 35 40 45

Asn Pro Leu Val Leu Pro Glu Tyr Leu Ile His Ala Phe Phe Cys Val
 50 55 60

Met Phe Leu Cys Ala Ala Glu Trp Leu Thr Leu Gly Leu Asn Met Pro
 65 70 75 80

Leu Leu Ala Tyr His Ile Trp Arg Tyr Met Ser Arg Pro Val Met Ser
 85 90 95

Gly Pro Gly Leu Tyr Asp Pro Thr Thr Ile Met Asn Ala Asp Ile Leu
 100 105 110

Ala Tyr Cys Gln Lys Glu Gly Trp Cys Lys Leu Ala Phe Tyr Leu Leu
 115 120 125

Ala Phe Phe Tyr Tyr Leu Tyr Gly Met Ile Tyr Val Leu Val Ser Ser
 130 135 140

<210> 328
 <211> 138
 <212> PRT
 <213> Homo sapiens

<400> 328
 Met Pro Asn Phe Ser Gly Asn Trp Lys Ile Ile Arg Ser Glu Asn Phe
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Glu Glu Leu Leu Lys Val Leu Gly Val Asn Val Met Leu Arg Lys Ile
 20 25 30

Ala Val Ala Ala Ala Ser Lys Pro Ala Val Glu Ile Lys Gln Glu Gly
 35 40 45
 Asp Thr Phe Tyr Ile Lys Thr Ser Thr Thr Val Arg Thr Thr Glu Ile
 50 55 60
 Asn Phe Lys Val Gly Glu Glu Phe Glu Glu Gln Thr Val Asp Gly Arg
 65 70 75 80
 Pro Cys Lys Ser Leu Val Lys Trp Glu Ser Glu Asn Lys Met Val Cys
 85 90 95
 Glu Gln Lys Leu Leu Lys Gly Glu Gly Pro Lys Thr Ser Trp Thr Arg
 100 105 110
 Glu Leu Thr Asn Asp Gly Glu Leu Ile Leu Thr Met Thr Ala Asp Asp
 115 120 125
 Val Val Cys Thr Arg Val Tyr Val Arg Glu
 130 135

 <210> 329
 <211> 346
 <212> PRT
 <213> Homo sapiens

 <400> 329
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 Leu Gly Val Arg Gly Ala Pro Cys Glu Ala Val Arg Ile Pro Met Cys
 20 25 30
 Arg His Met Pro Trp Asn Ile Thr Arg Met Pro Asn His Leu His His
 35 40 45
 Ser Thr Gln Glu Asn Ala Ile Leu Ala Ile Glu Gln Tyr Glu Glu Leu
 50 55 60
 Val Asp Val Asn Cys Ser Ala Val Leu Arg Phe Phe Phe Cys Ala Met
 65 70 75 80
 Tyr Ala Pro Ile Cys Thr Leu Glu Phe Leu His Asp Pro Ile Lys Pro
 85 90 95
 Cys Lys Ser Val Cys Gln Arg Ala Arg Asp Asp Cys Glu Pro Leu Met
 100 105 110
 Lys Met Tyr Asn His Ser Trp Pro Glu Ser Leu Ala Cys Asp Glu Leu
 115 120 125
 Pro Val Tyr Asp Arg Gly Val Cys Ile Ser Pro Glu Ala Ile Val Thr
 130 135 140

Asp Leu Pro Glu Asp Val Lys Trp Ile Asp Ile Thr Pro Asp Met Met
145 150 155 160

Val Gln Glu Arg Pro Leu Asp Val Asp Cys Lys Arg Leu Ser Pro Asp
165 170 175

Arg Cys Lys Cys Lys Lys Val Lys Pro Thr Leu Ala Thr Tyr Leu Ser
180 185 190

Lys Asn Tyr Ser Tyr Val Ile His Ala Lys Ile Lys Ala Val Gln Arg
195 200 205

Ser Gly Cys Asn Glu Val Thr Thr Val Val Asp Val Lys Glu Ile Phe
210 215 220

Lys Ser Ser Ser Pro Ile Pro Arg Thr Gln Val Pro Leu Ile Thr Asn
225 230 235 240

Ser Ser Cys Gln Cys Pro His Ile Leu Pro His Gln Asp Val Leu Ile
245 250 255

Met Cys Tyr Glu Trp Arg Ser Arg Met Met Leu Leu Glu Asn Cys Leu
260 265 270

Val Glu Lys Trp Arg Asp Gln Leu Ser Lys Arg Ser Ile Gln Trp Glu
275 280 285

Glu Arg Leu Gln Glu Gln Arg Arg Thr Val Gln Asp Lys Lys Lys Thr
290 295 300

Ala Gly Arg Thr Ser Arg Ser Asn Pro Pro Lys Pro Lys Gly Lys Pro
305 310 315 320

Pro Ala Pro Lys Pro Ala Ser Pro Lys Lys Asn Ile Lys Thr Arg Ser
325 330 335

Ala Gln Lys Arg Thr Asn Pro Lys Arg Val
340 345

<210> 330

<211> 826

<212> PRT

<213> Homo sapiens

<400> 330

Met Glu Gly Ala Gly Gly Ala Asn Asp Lys Lys Lys Ile Ser Ser Glu
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Arg Arg Lys Glu Lys Ser Arg Asp Ala Ala Arg Ser Arg Arg Ser Lys
20 25 30

Glu Ser Glu Val Phe Tyr Glu Leu Ala His Gln Leu Pro Leu Pro His

35					40					45						
Asn	Val	Ser	Ser	His	Leu	Asp	Lys	Ala	Ser	Val	Met	Arg	Leu	Thr	Ile	
50					55					60						
Ser	Tyr	Leu	Arg	Val	Arg	Lys	Leu	Leu	Asp	Ala	Gly	Asp	Leu	Asp	Ile	
65					70					75					80	
Glu	Asp	Asp	Met	Lys	Ala	Gln	Met	Asn	Cys	Phe	Tyr	Leu	Lys	Ala	Leu	
85					90					95						
Asp	Gly	Phe	Val	Met	Val	Leu	Thr	Asp	Asp	Gly	Asp	Met	Ile	Tyr	Ile	
100					105					110						
Ser	Asp	Asn	Val	Asn	Lys	Tyr	Met	Gly	Leu	Thr	Gln	Phe	Glu	Leu	Thr	
115					120					125						
Gly	His	Ser	Val	Phe	Asp	Phe	Thr	His	Pro	Cys	Asp	His	Glu	Glu	Met	
130					135					140						
Arg	Glu	Met	Leu	Thr	His	Arg	Asn	Gly	Leu	Val	Lys	Lys	Gly	Lys	Glu	
145					150					155					160	
Gln	Asn	Thr	Gln	Arg	Ser	Phe	Phe	Leu	Arg	Met	Lys	Cys	Thr	Leu	Thr	
165					170					175						
Ser	Arg	Gly	Arg	Thr	Met	Asn	Ile	Lys	Ser	Ala	Thr	Trp	Lys	Val	Leu	
180					185					190						
His	Cys	Thr	Gly	His	Ile	His	Val	Tyr	Asp	Thr	Asn	Ser	Asn	Gln	Pro	
195					200					205						
Gln	Cys	Gly	Tyr	Lys	Lys	Pro	Pro	Met	Thr	Cys	Leu	Val	Leu	Ile	Cys	
210					215					220						
Glu	Pro	Ile	Pro	His	Pro	Ser	Asn	Ile	Glu	Ile	Pro	Leu	Asp	Ser	Lys	
225					230					235					240	
Thr	Phe	Leu	Ser	Arg	His	Ser	Leu	Asp	Met	Lys	Phe	Ser	Tyr	Cys	Asp	
245					250					255						
Glu	Arg	Ile	Thr	Glu	Leu	Met	Gly	Tyr	Glu	Pro	Glu	Glu	Leu	Leu	Gly	
260					265					270						
Arg	Ser	Ile	Tyr	Glu	Tyr	Tyr	His	Ala	Leu	Asp	Ser	Asp	His	Leu	Thr	
275					280					285						
Lys	Thr	His	His	Asp	Met	Phe	Thr	Lys	Gly	Gln	Val	Thr	Thr	Gly	Gln	
290					295					300						
Tyr	Arg	Met	Leu	Ala	Lys	Arg	Gly	Gly	Tyr	Val	Trp	Val	Glu	Thr	Gln	
305					310					315					320	
Ala	Thr	Val	Ile	Tyr	Asn	Thr	Lys	Asn	Ser	Gln	Pro	Gln	Cys	Ile	Val	

				325					330					335			
Cys	Val	Asn	Tyr	Val	Val	Ser	Gly	Ile	Ile	Gln	His	Asp	Leu	Ile	Phe		
				340				345					350				
Ser	Leu	Gln	Gln	Thr	Glu	Cys	Val	Leu	Lys	Pro	Val	Glu	Ser	Ser	Asp		
		355					360					365					
Met	Lys	Met	Thr	Gln	Leu	Phe	Thr	Lys	Val	Glu	Ser	Glu	Asp	Thr	Ser		
	370					375					380						
Ser	Leu	Phe	Asp	Lys	Leu	Lys	Lys	Glu	Pro	Asp	Ala	Leu	Thr	Leu	Leu		
385					390					395					400		
Ala	Pro	Ala	Ala	Gly	Asp	Thr	Ile	Ile	Ser	Leu	Asp	Phe	Gly	Ser	Asn		
				405					410					415			
Asp	Thr	Glu	Thr	Asp	Asp	Gln	Gln	Leu	Glu	Glu	Val	Pro	Leu	Tyr	Asn		
			420					425					430				
Asp	Val	Met	Leu	Pro	Ser	Pro	Asn	Glu	Lys	Leu	Gln	Asn	Ile	Asn	Leu		
		435					440					445					
Ala	Met	Ser	Pro	Leu	Pro	Thr	Ala	Glu	Thr	Pro	Lys	Pro	Leu	Arg	Ser		
	450					455					460						
Ser	Ala	Asp	Pro	Ala	Leu	Asn	Gln	Glu	Val	Ala	Leu	Lys	Leu	Glu	Pro		
465					470					475					480		
Asn	Pro	Glu	Ser	Leu	Glu	Leu	Ser	Phe	Thr	Met	Pro	Gln	Ile	Gln	Asp		
				485					490					495			
Gln	Thr	Pro	Ser	Pro	Ser	Asp	Gly	Ser	Thr	Arg	Gln	Ser	Ser	Pro	Glu		
			500					505						510			
Pro	Asn	Ser	Pro	Ser	Glu	Tyr	Cys	Phe	Tyr	Val	Asp	Ser	Asp	Met	Val		
		515					520					525					
Asn	Glu	Phe	Lys	Leu	Glu	Leu	Val	Glu	Lys	Leu	Phe	Ala	Glu	Asp	Thr		
	530					535					540						
Glu	Ala	Lys	Asn	Pro	Phe	Ser	Thr	Gln	Asp	Thr	Asp	Leu	Asp	Leu	Glu		
545					550					555					560		
Met	Leu	Ala	Pro	Tyr	Ile	Pro	Met	Asp	Asp	Asp	Phe	Gln	Leu	Arg	Ser		
			565						570					575			
Phe	Asp	Gln	Leu	Ser	Pro	Leu	Glu	Ser	Ser	Ser	Ala	Ser	Pro	Glu	Ser		
			580					585					590				
Ala	Ser	Pro	Gln	Ser	Thr	Val	Thr	Val	Phe	Gln	Gln	Thr	Gln	Ile	Gln		
		595					600					605					
Glu	Pro	Thr	Ala	Asn	Ala	Thr	Thr	Thr	Thr	Ala	Thr	Thr	Asp	Glu	Leu		

Case	Age	Sex	Occupation	Duration of illness	Onset	Course	Outcome
1	45	M	Farmer	10 years	1950	Chronic	Death
2	52	F	Housewife	5 years	1955	Chronic	Death
3	60	M	Teacher	3 years	1960	Chronic	Death
4	48	F	Shopkeeper	8 years	1958	Chronic	Death
5	55	M	Engineer	6 years	1957	Chronic	Death
6	42	F	Homemaker	4 years	1953	Chronic	Death
7	58	M	Manager	7 years	1956	Chronic	Death
8	40	F	Student	2 years	1951	Chronic	Death
9	50	M	Doctor	5 years	1954	Chronic	Death
10	47	F	Artist	3 years	1952	Chronic	Death
11	53	M	Lawyer	6 years	1956	Chronic	Death
12	44	F	Writer	4 years	1953	Chronic	Death
13	56	M	Scientist	7 years	1957	Chronic	Death
14	41	F	Teacher	3 years	1951	Chronic	Death
15	59	M	Engineer	8 years	1958	Chronic	Death
16	46	F	Homemaker	5 years	1954	Chronic	Death
17	51	M	Manager	6 years	1955	Chronic	Death
18	43	F	Student	2 years	1952	Chronic	Death
19	54	M	Doctor	5 years	1956	Chronic	Death
20	49	F	Artist	4 years	1953	Chronic	Death

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<400> 331
Met Ala Tyr Arg Gly Gln Gly Gln Lys Val Gln Lys Val Met Val Gln
                    5                      10                      15

Pro Ile Asn Leu Ile Phe Arg Tyr Leu Gln Asn Arg Ser Arg Ile Gln
                20                      25                      30

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Val Trp Leu Tyr Glu Gln Val Asn Met Arg Ile Glu Gly Cys Ile Ile
35 40 45

Gly Phe Asp Glu Tyr Met Asn Leu Val Leu Asp Asp Ala Glu Glu Ile
50 55 60

His Ser Lys Thr Lys Ser Arg Lys Gln Leu Gly Arg Ile Met Leu Lys
65 70 75 80

Gly Asp Asn Ile Thr Leu Leu Gln Ser Val Ser Asn
85 90

<210> 332

<211> 235

<212> PRT

<213> Homo sapiens

<400> 332

Met Asp Pro Ala Arg Pro Leu Gly Leu Ser Ile Leu Leu Leu Phe Leu
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Thr Glu Ala Ala Leu Gly Asp Ala Ala Gln Glu Pro Thr Gly Asn Asn
20 25 30

Ala Glu Ile Cys Leu Leu Pro Leu Asp Tyr Gly Pro Cys Arg Ala Leu
35 40 45

Leu Leu Arg Tyr Tyr Tyr Asp Arg Tyr Thr Gln Ser Cys Arg Gln Phe
50 55 60

Leu Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Tyr Thr Trp Glu
65 70 75 80

Ala Cys Asp Asp Ala Cys Trp Arg Ile Glu Lys Val Pro Lys Val Cys
85 90 95

Arg Leu Gln Val Ser Val Asp Asp Gln Cys Glu Gly Ser Thr Glu Lys
100 105 110

Tyr Phe Phe Asn Leu Ser Ser Met Thr Cys Glu Lys Phe Phe Ser Gly
115 120 125

Gly Cys His Arg Asn Arg Ile Glu Asn Arg Phe Pro Asp Glu Ala Thr
130 135 140

Cys Met Gly Phe Cys Ala Pro Lys Lys Ile Pro Ser Phe Cys Tyr Ser
145 150 155 160

Pro Lys Asp Glu Gly Leu Cys Ser Ala Asn Val Thr Arg Tyr Tyr Phe
165 170 175

Asn Pro Arg Tyr Arg Thr Cys Asp Ala Phe Thr Tyr Thr Gly Cys Gly
180 185 190

117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

Gly Asn Asp Asn Asn Phe Val Ser Arg Glu Asp Cys Lys Arg Ala Cys
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Ala Lys Ala Leu Lys Lys Lys Lys Met Pro Lys Leu Arg Phe Ala
 210 215 220

Ser Arg Ile Arg Lys Ile Arg Lys Lys Gln Phe
 225 230 235

<210> 333

<211> 291

<212> PRT

<213> Homo sapiens

<400> 333

Met Gln Arg Ala Arg Pro Thr Leu Trp Ala Ala Ala Leu Thr Leu Leu
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Val Leu Leu Arg Gly Pro Pro Val Ala Arg Ala Gly Ala Ser Ser Gly
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Gly Leu Gly Pro Val Val Arg Cys Glu Pro Cys Asp Ala Arg Ala Leu
 35 40 45

Ala Gln Cys Ala Pro Pro Pro Ala Val Cys Ala Glu Leu Val Arg Glu
 50 55 60

Pro Gly Cys Gly Cys Cys Leu Thr Cys Ala Leu Ser Glu Gly Gln Pro
 65 70 75 80

Cys Gly Ile Tyr Thr Glu Arg Cys Gly Ser Gly Leu Arg Cys Gln Pro
 85 90 95

Ser Pro Asp Glu Ala Arg Pro Leu Gln Ala Leu Leu Asp Gly Arg Gly
 100 105 110

Leu Cys Val Asn Ala Ser Ala Val Ser Arg Leu Arg Ala Tyr Leu Leu
 115 120 125

Pro Ala Pro Pro Ala Pro Gly Asn Ala Ser Glu Ser Glu Glu Asp Arg
 130 135 140

Ser Ala Gly Ser Val Glu Ser Pro Ser Val Ser Ser Thr His Arg Val
 145 150 155 160

Ser Asp Pro Lys Phe His Pro Leu His Ser Lys Ile Ile Ile Ile Lys
 165 170 175

Lys Gly His Ala Lys Asp Ser Gln Arg Tyr Lys Val Asp Tyr Glu Ser
 180 185 190

Gln Ser Thr Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys Arg Glu Thr
 195 200 205

1000
900
800
700
600
500
400
300
200
100
0

Glu Tyr Gly Pro Cys Arg Arg Glu Met Glu Asp Thr Leu Asn His Leu
210 215 220

Lys Phe Leu Asn Val Leu Ser Pro Arg Gly Val His Ile Pro Asn Cys
225 230 235 240

Asp Lys Lys Gly Phe Tyr Lys Lys Lys Gln Cys Arg Pro Ser Lys Gly
245 250 255

Arg Lys Arg Gly Phe Cys Trp Cys Val Asp Lys Tyr Gly Gln Pro Leu
260 265 270

Pro Gly Tyr Thr Thr Lys Gly Lys Glu Asp Val His Cys Tyr Ser Met
275 280 285

Gln Ser Lys
290

<210> 334

<211> 582

<212> PRT

<213> Homo sapiens

<400> 334

Glu Ser Lys Gly Ala Ser Ser Cys Arg Leu Leu Phe Cys Leu Leu Ile
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Ser Ala Thr Val Phe Arg Pro Gly Leu Gly Trp Tyr Thr Val Asn Ser
20 25 30

Ala Tyr Gly Asp Thr Ile Ile Ile Pro Cys Arg Leu Asp Val Pro Gln
35 40 45

Asn Leu Met Phe Gly Lys Trp Lys Tyr Glu Lys Pro Asp Gly Ser Pro
50 55 60

Val Phe Ile Ala Phe Arg Ser Ser Thr Lys Lys Ser Val Gln Tyr Asp
65 70 75 80

Asp Val Pro Glu Tyr Lys Asp Arg Leu Asn Leu Ser Glu Asn Tyr Thr
85 90 95

Leu Ser Ile Ser Asn Ala Arg Ile Ser Asp Glu Lys Arg Phe Val Cys
100 105 110

Met Leu Val Thr Glu Asp Asn Val Phe Glu Ala Pro Thr Ile Val Lys
115 120 125

Val Phe Lys Gln Pro Ser Lys Pro Glu Ile Val Ser Lys Ala Leu Phe
130 135 140

Leu Glu Thr Glu Gln Leu Lys Lys Leu Gly Asp Cys Ile Ser Glu Asp

145	150	155	160
Ser Tyr Pro Asp Gly Asn Ile Thr Trp Tyr Arg Asn Gly Lys Val Leu	165	170	175
His Pro Leu Glu Gly Ala Val Val Ile Ile Phe Lys Lys Glu Met Asp	180	185	190
Pro Val Thr Gln Leu Tyr Thr Met Thr Ser Thr Leu Glu Tyr Lys Thr	195	200	205
Thr Lys Ala Asp Ile Gln Met Pro Phe Thr Cys Ser Val Thr Tyr Tyr	210	215	220
Gly Pro Ser Gly Gln Lys Thr Ile His Ser Glu Gln Ala Val Phe Asp	225	230	235
Ile Tyr Tyr Pro Thr Glu Gln Val Thr Ile Gln Val Leu Pro Pro Lys	245	250	255
Asn Ala Ile Lys Glu Gly Asp Asn Ile Thr Leu Lys Cys Leu Gly Asn	260	265	270
Gly Asn Pro Pro Pro Glu Glu Phe Leu Phe Tyr Leu Pro Gly Gln Pro	275	280	285
Glu Gly Ile Arg Ser Ser Asn Thr Tyr Thr Leu Thr Asp Val Arg Arg	290	295	300
Asn Ala Thr Gly Asp Tyr Lys Cys Ser Leu Ile Asp Lys Lys Ser Met	305	310	315
Ile Ala Ser Thr Ala Ile Thr Val His Tyr Leu Asp Leu Ser Leu Asn	325	330	335
Pro Ser Gly Glu Val Thr Arg Gln Ile Gly Asp Ala Leu Pro Val Ser	340	345	350
Cys Thr Ile Ser Ala Ser Arg Asn Ala Thr Val Val Trp Met Lys Asp	355	360	365
Asn Ile Arg Leu Arg Ser Ser Pro Ser Phe Ser Ser Leu His Tyr Gln	370	375	380
Asp Ala Gly Asn Tyr Val Cys Glu Thr Ala Leu Gln Glu Val Glu Gly	385	390	395
Leu Lys Lys Arg Glu Ser Leu Thr Leu Ile Val Glu Gly Lys Pro Gln	405	410	415
Ile Lys Met Thr Lys Lys Thr Asp Pro Ser Gly Leu Ser Lys Thr Ile	420	425	430
Ile Cys His Val Glu Gly Phe Pro Lys Pro Ala Ile Gln Trp Thr Ile			

435 440 445
 Thr Gly Ser Gly Ser Val Ile Asn Gln Thr Glu Glu Ser Pro Tyr Ile
 450 455 460
 Asn Gly Arg Tyr Tyr Ser Lys Ile Ile Ile Ser Pro Glu Glu Asn Val
 465 470 475 480
 Thr Leu Thr Cys Thr Ala Glu Asn Gln Leu Glu Arg Thr Val Asn Ser
 485 490 495
 Leu Asn Val Ser Ala Ile Ser Ile Pro Glu His Asp Glu Ala Asp Glu
 500 505 510
 Ile Ser Asp Glu Asn Arg Glu Lys Val Asn Asp Gln Ala Lys Leu Ile
 515 520 525
 Val Gly Ile Val Val Gly Leu Leu Leu Ala Ala Leu Val Ala Gly Val
 530 535 540
 Val Tyr Trp Leu Tyr Met Lys Lys Ser Lys Thr Ala Ser Lys His Val
 545 550 555 560
 Asn Lys Asp Leu Gly Asn Met Glu Glu Asn Lys Lys Leu Glu Glu Asn
 565 570 575
 Asn His Lys Thr Glu Ala
 580
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 <212> PRT
 <213> Homo sapiens
 <400> 335
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 Glu Lys Asp Lys Glu Arg Lys Asn Val Lys Gly Ile Arg Asp Asp Ile
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 Glu Glu Glu Asp Asp Gln Glu Ala Tyr Phe Arg Tyr Met Ala Glu Asn
 35 40 45
 Pro Thr Ala Gly Val Val Gln Glu Glu Glu Glu Asp Asn Leu Glu Tyr
 50 55 60
 Asp Ser Asp Gly Asn Pro Ile Ala Pro Thr Lys Lys Ile Ile Asp Pro
 65 70 75 80
 Leu Pro Pro Ile Asp His Ser Glu Ile Asp Tyr Pro Pro Phe Glu Lys
 85 90 95

Asn Phe Tyr Asn Glu His Glu Glu Ile Thr Asn Leu Thr Pro Gln Gln
 100 105 110
 Leu Ile Asp Leu Arg His Lys Leu Asn Leu Arg Val Ser Gly Ala Ala
 115 120 125
 Pro Pro Arg Pro Gly Ser Ser Phe Ala His Phe Gly Phe Asp Glu Gln
 130 135 140
 Leu Met His Gln Ile Arg Lys Ser Glu Tyr Thr Gln Pro Thr Pro Ile
 145 150 155 160
 Gln Cys Gln Gly Val Pro Val Ala Leu Ser Gly Arg Asp Met Ile Gly
 165 170 175
 Ile Ala Lys Thr Gly Ser Gly Lys Thr Ala Ala Phe Ile Trp Pro Met
 180 185 190
 Leu Ile His Ile Met Asp Gln Lys Glu Leu Glu Pro Gly Asp Gly Pro
 195 200 205
 Ile Ala Val Ile Val Cys Pro Thr Arg Glu Leu Cys Gln Gln Ile His
 210 215 220
 Ala Glu Cys Lys Arg Phe Gly Lys Ala Tyr Asn Leu Arg Ser Val Ala
 225 230 235 240
 Val Tyr Gly Gly Gly Ser Met Trp Glu Gln Ala Lys Ala Leu Gln Glu
 245 250 255
 Gly Ala Glu Ile Val Val Cys Thr Pro Gly Arg Leu Ile Asp His Val
 260 265 270
 Lys Lys Lys Ala Thr Asn Leu Gln Arg Val Ser Tyr Leu Val Phe Asp
 275 280 285
 Glu Ala Asp Arg Met Phe Asp Met Gly Phe Glu Tyr Gln Val Arg Ser
 290 295 300
 Ile Ala Ser His Val Arg Pro Asp Arg Gln Thr Leu Leu Phe Ser Ala
 305 310 315 320
 Thr Phe Arg Lys Lys Ile Glu Lys Leu Ala Arg Asp Ile Leu Ile Asp
 325 330 335
 Pro Ile Arg Val Val Gln Gly Asp Ile Gly Glu Ala Asn Glu Asp Val
 340 345 350
 Thr Gln Ile Val Glu Ile Leu His Ser Gly Pro Ser Lys Trp Asn Trp
 355 360 365
 Leu Thr Arg Arg Leu Val Glu Phe Thr Ser Ser Gly Ser Val Leu Leu
 370 375 380

Phe Val Thr Lys Lys Ala Asn Ala Glu Glu Leu Ala Asn Asn Leu Lys
 385 390 395 400
 Gln Glu Gly His Asn Leu Gly Leu Leu His Gly Asp Met Asp Gln Ser
 405 410 415
 Glu Arg Asn Lys Val Ile Ser Asp Phe Lys Lys Lys Asp Ile Pro Val
 420 425 430
 Leu Val Ala Thr Asp Val Ala Ala Arg Gly Leu Asp Ile Pro Ser Ile
 435 440 445
 Lys Thr Val Ile Asn Tyr Asp Val Ala Arg Asp Ile Asp Thr His Thr
 450 455 460
 His Arg Ile Gly Arg Thr Gly Arg Ala Gly Glu Lys Gly Val Ala Tyr
 465 470 475 480
 Thr Leu Leu Thr Pro Lys Asp Ser Asn Phe Ala Gly Asp Leu Val Arg
 485 490 495
 Asn Leu Glu Gly Ala Asn Gln His Val Ser Lys Glu Leu Leu Asp Leu
 500 505 510
 Ala Met Gln Asn Ala Trp Phe Arg Lys Ser Arg Phe Lys Gly Gly Lys
 515 520 525
 Gly Lys Lys Leu Asn Ile Gly Gly Gly Gly Leu Gly Tyr Arg Glu Arg
 530 535 540
 Pro Gly Leu Gly Ser Glu Asn Met Asp Arg Gly Asn Asn Asn Val Met
 545 550 555 560
 Ser Asn Tyr Glu Ala Tyr Lys Pro Ser Thr Gly Ala Met Gly Asp Arg
 565 570 575
 Leu Thr Ala Met Lys Ala Ala Phe Gln Ser Gln Tyr Lys Ser His Phe
 580 585 590
 Val Ala Ala Ser Leu Ser Asn Gln Lys Ala Gly Ser Ser Ala Ala Gly
 595 600 605
 Ala Ser Gly Trp Thr Ser Ala Gly Ser Leu Asn Ser Val Pro Thr Asn
 610 615 620
 Ser Ala Gln Gln Gly His Asn Ser Pro Asp Ser Pro Val Thr Ser Ala
 625 630 635 640
 Ala Lys Gly Ile Pro Gly Phe Gly Asn Thr Gly Asn Ile Ser Gly Ala
 645 650 655
 Pro Val Thr Tyr Pro Ser Ala Gly Ala Gln Gly Val Asn Asn Thr Ala
 660 665 670

Ser Gly Asn Asn Ser Arg Glu Gly Thr Gly Gly Ser Asn Gly Lys Arg
675 680 685

Glu Arg Tyr Thr Glu Asn Arg Gly Ser Ser Pro Ser Gln Ser Arg Arg
690 695 700

Asp Trp Gln Ser Ala
705

<210> 336

<211> 480

<212> PRT

<213> Homo sapiens

<400> 336

Met Ile Arg Ala Ala Pro Pro Pro Leu Phe Leu Leu Leu Leu Leu Leu
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Leu Leu Leu Val Ser Trp Ala Ser Arg Gly Glu Ala Ala Pro Asp Gln
20 25 30

Asp Glu Ile Gln Arg Leu Pro Gly Leu Ala Lys Gln Pro Ser Phe Arg
35 40 45

Gln Tyr Ser Gly Tyr Leu Lys Ser Ser Gly Ser Lys His Leu His Tyr
50 55 60

Trp Phe Val Glu Ser Gln Lys Asp Pro Glu Asn Ser Pro Val Val Leu
65 70 75 80

Trp Leu Asn Gly Gly Pro Gly Cys Ser Ser Leu Asp Gly Leu Leu Thr
85 90 95

Glu His Gly Pro Phe Leu Val Gln Pro Asp Gly Val Thr Leu Glu Tyr
100 105 110

Asn Pro Tyr Ser Trp Asn Leu Ile Ala Asn Val Leu Tyr Leu Glu Ser
115 120 125

Pro Ala Gly Val Gly Phe Ser Tyr Ser Asp Asp Lys Phe Tyr Ala Thr
130 135 140

Asn Asp Thr Glu Val Ala Gln Ser Asn Phe Glu Ala Leu Gln Asp Phe
145 150 155 160

Phe Arg Leu Phe Pro Glu Tyr Lys Asn Asn Lys Leu Phe Leu Thr Gly
165 170 175

Glu Ser Tyr Ala Gly Ile Tyr Ile Pro Thr Leu Ala Val Leu Val Met
180 185 190

Gln Asp Pro Ser Met Asn Leu Gln Gly Leu Ala Val Gly Asn Gly Leu
195 200 205

Ser Ser Tyr Glu Gln Asn Asp Asn Ser Leu Val Tyr Phe Ala Tyr Tyr
 210 215 220
 His Gly Leu Leu Gly Asn Arg Leu Trp Ser Ser Leu Gln Thr His Cys
 225 230 235 240
 Cys Ser Gln Asn Lys Cys Asn Phe Tyr Asp Asn Lys Asp Leu Glu Cys
 245 250 255
 Val Thr Asn Leu Gln Glu Val Ala Arg Ile Val Gly Asn Ser Gly Leu
 260 265 270
 Asn Ile Tyr Asn Leu Tyr Ala Pro Cys Ala Gly Gly Val Pro Ser His
 275 280 285
 Phe Arg Tyr Glu Lys Asp Thr Val Val Val Gln Asp Leu Gly Asn Ile
 290 295 300
 Phe Thr Arg Leu Pro Leu Lys Arg Met Trp His Gln Ala Leu Leu Arg
 305 310 315 320
 Ser Gly Asp Lys Val Arg Met Asp Pro Pro Cys Thr Asn Thr Thr Ala
 325 330 335
 Ala Ser Thr Tyr Leu Asn Asn Pro Tyr Val Arg Lys Ala Leu Asn Ile
 340 345 350
 Pro Glu Gln Leu Pro Gln Trp Asp Met Cys Asn Phe Leu Val Asn Leu
 355 360 365
 Gln Tyr Arg Arg Leu Tyr Arg Ser Met Asn Ser Gln Tyr Leu Lys Leu
 370 375 380
 Leu Ser Ser Gln Lys Tyr Gln Ile Leu Leu Tyr Asn Gly Asp Val Asp
 385 390 395 400
 Met Ala Cys Asn Phe Met Gly Asp Glu Trp Phe Val Asp Ser Leu Asn
 405 410 415
 Gln Lys Met Glu Val Gln Arg Arg Pro Trp Leu Val Lys Tyr Gly Asp
 420 425 430
 Ser Gly Glu Gln Ile Ala Gly Phe Val Lys Glu Phe Ser His Ile Ala
 435 440 445
 Phe Leu Thr Ile Lys Gly Ala Gly His Met Val Pro Thr Asp Lys Pro
 450 455 460
 Leu Ala Ala Phe Thr Met Phe Ser Arg Phe Leu Asn Lys Gln Pro Tyr
 465 470 475 480

<211> 543
 <212> PRT
 <213> Homo sapiens

<400> 337

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Met Ala Ala Ala Lys Ala Glu Met Gln Leu Met Ser Pro Leu Gln Ile
      5              10              15

Ser Asp Pro Phe Gly Ser Phe Pro His Ser Pro Thr Met Asp Asn Tyr
      20              25              30

Pro Lys Leu Glu Glu Met Met Leu Leu Ser Asn Gly Ala Pro Gln Phe
      35              40              45

Leu Gly Ala Ala Gly Ala Pro Glu Gly Ser Gly Ser Asn Ser Ser Ser
      50              55              60

Ser Ser Ser Gly Gly Gly Gly Gly Gly Gly Gly Gly Ser Asn Ser Ser
      65              70              75              80

Ser Ser Ser Ser Thr Phe Asn Pro Gln Ala Asp Thr Gly Glu Gln Pro
      85              90              95

Tyr Glu His Leu Thr Ala Glu Ser Phe Pro Asp Ile Ser Leu Asn Asn
      100             105             110

Glu Lys Val Leu Val Glu Thr Ser Tyr Pro Ser Gln Thr Thr Arg Leu
      115             120             125

Pro Pro Ile Thr Tyr Thr Gly Arg Phe Ser Leu Glu Pro Ala Pro Asn
      130             135             140

Ser Gly Asn Thr Leu Trp Pro Glu Pro Leu Phe Ser Leu Val Ser Gly
      145             150             155             160

Leu Val Ser Met Thr Asn Pro Pro Ala Ser Ser Ser Ser Ala Pro Ser
      165             170             175

Pro Ala Ala Ser Ser Ala Ser Ala Ser Gln Ser Pro Pro Leu Ser Cys
      180             185             190

Ala Val Pro Ser Asn Asp Ser Ser Pro Ile Tyr Ser Ala Ala Pro Thr
      195             200             205

Phe Pro Thr Pro Asn Thr Asp Ile Phe Pro Glu Pro Gln Ser Gln Ala
      210             215             220

Phe Pro Gly Ser Ala Gly Thr Ala Leu Gln Tyr Pro Pro Pro Ala Tyr
      225             230             235             240

Pro Ala Ala Lys Gly Gly Phe Gln Val Pro Met Ile Pro Asp Tyr Leu
      245             250             255

Phe Pro Gln Gln Gln Gly Asp Leu Gly Leu Gly Thr Pro Asp Gln Lys

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260					265					270					
Pro	Phe	Gln	Gly	Leu	Glu	Ser	Arg	Thr	Gln	Gln	Pro	Ser	Leu	Thr	Pro
		275					280					285			
Leu	Ser	Thr	Ile	Lys	Ala	Phe	Ala	Thr	Gln	Ser	Gly	Ser	Gln	Asp	Leu
		290					295					300			
Lys	Ala	Leu	Asn	Thr	Ser	Tyr	Gln	Ser	Gln	Leu	Ile	Lys	Pro	Ser	Arg
		305					310					315			
Met	Arg	Lys	Tyr	Pro	Asn	Arg	Pro	Ser	Lys	Thr	Pro	Pro	His	Glu	Arg
				325					330					335	
Pro	Tyr	Ala	Cys	Pro	Val	Glu	Ser	Cys	Asp	Arg	Arg	Phe	Ser	Arg	Ser
			340						345					350	
Asp	Glu	Leu	Thr	Arg	His	Ile	Arg	Ile	His	Thr	Gly	Gln	Lys	Pro	Phe
		355					360					365			
Gln	Cys	Arg	Ile	Cys	Met	Arg	Asn	Phe	Ser	Arg	Ser	Asp	His	Leu	Thr
		370					375					380			
Thr	His	Ile	Arg	Thr	His	Thr	Gly	Glu	Lys	Pro	Phe	Ala	Cys	Asp	Ile
		385					390					395			
Cys	Gly	Arg	Lys	Phe	Ala	Arg	Ser	Asp	Glu	Arg	Lys	Arg	His	Thr	Lys
			405						410					415	
Ile	His	Leu	Arg	Gln	Lys	Asp	Lys	Lys	Ala	Asp	Lys	Ser	Val	Val	Ala
		420							425					430	
Ser	Ser	Ala	Thr	Ser	Ser	Leu	Ser	Ser	Tyr	Pro	Ser	Pro	Val	Ala	Thr
		435							440					445	
Ser	Tyr	Pro	Ser	Pro	Val	Thr	Thr	Ser	Tyr	Pro	Ser	Pro	Ala	Thr	Thr
		450					455					460			
Ser	Tyr	Pro	Ser	Pro	Val	Pro	Thr	Ser	Phe	Ser	Ser	Pro	Gly	Ser	Ser
		465					470					475			
Thr	Tyr	Pro	Ser	Pro	Val	His	Ser	Gly	Phe	Pro	Ser	Pro	Ser	Val	Ala
			485						490					495	
Thr	Thr	Tyr	Ser	Ser	Val	Pro	Pro	Ala	Phe	Pro	Ala	Gln	Val	Ser	Ser
			500						505					510	
Phe	Pro	Ser	Ser	Ala	Val	Thr	Asn	Ser	Phe	Ser	Ala	Ser	Thr	Gly	Leu
		515					520					525			
Ser	Asp	Met	Thr	Ala	Thr	Phe	Ser	Pro	Arg	Thr	Ile	Glu	Ile	Cys	
		530					535					540			

<210> 338
 <211> 148
 <212> PRT
 <213> Homo sapiens

<400> 338
 Pro Pro Ala Thr Ser Tyr Ala Pro Ser Asp Val Pro Ser Gly Val Ala
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 Leu Phe Leu Thr Ile Pro Phe Ala Phe Phe Leu Pro Glu Leu Ile Phe
 20 25 30
 Gly Phe Leu Val Trp Thr Met Val Ala Ala Thr His Ile Val Tyr Pro
 35 40 45
 Leu Leu Gln Gly Trp Val Met Tyr Val Ser Leu Thr Ser Phe Leu Ile
 50 55 60
 Ser Leu Met Phe Leu Leu Ser Tyr Leu Phe Gly Phe Tyr Lys Arg Phe
 65 70 75 80
 Glu Ser Trp Arg Val Leu Asp Ser Leu Tyr His Gly Thr Thr Gly Ile
 85 90 95
 Leu Tyr Met Ser Ala Ala Val Leu Gln Val His Ala Thr Ile Val Ser
 100 105 110
 Glu Lys Leu Leu Asp Pro Arg Ile Tyr Tyr Ile Asn Ser Ala Ala Ser
 115 120 125
 Phe Phe Ala Phe Ile Ala Thr Leu Leu Tyr Ile Leu His Ala Phe Ser
 130 135 140
 Ile Tyr Tyr His
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<210> 339
 <211> 196
 <212> PRT
 <213> Homo sapiens

<400> 339
 Met Pro Gly Met Phe Phe Ser Ala Asn Pro Lys Glu Leu Lys Gly Thr
 5 10 15
 Thr His Ser Leu Leu Asp Asp Lys Met Gln Lys Arg Arg Pro Lys Thr
 20 25 30
 Phe Gly Met Asp Met Lys Ala Tyr Leu Arg Ser Met Ile Pro His Leu
 35 40 45
 Glu Ser Gly Met Lys Ser Ser Lys Ser Lys Asp Val Leu Ser Ala Ala
 50 55 60

Glu Val Met Gln Trp Ser Gln Ser Leu Glu Lys Leu Leu Ala Asn Gln
65 70 75 80

Thr Gly Gln Asn Val Phe Gly Ser Phe Leu Lys Ser Glu Phe Ser Glu
85 90 95

Glu Asn Ile Glu Phe Trp Leu Ala Cys Glu Asp Tyr Lys Lys Thr Glu
100 105 110

Ser Asp Leu Leu Pro Cys Lys Ala Glu Glu Ile Tyr Lys Ala Phe Val
115 120 125

His Ser Asp Ala Ala Lys Gln Ile Asn Ile Asp Phe Arg Thr Arg Glu
130 135 140

Ser Thr Ala Lys Lys Ile Lys Ala Pro Thr Pro Thr Cys Phe Asp Glu
145 150 155 160

Ala Gln Lys Val Ile Tyr Thr Leu Met Glu Lys Asp Ser Tyr Pro Arg
165 170 175

Phe Leu Lys Ser Asp Ile Tyr Leu Asn Leu Leu Asn Asp Leu Gln Ala
180 185 190

Asn Ser Leu Lys
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<210> 340

<211> 316

<212> PRT

<213> Homo sapiens

<400> 340

Met Ala Thr Phe Val Glu Leu Ser Thr Lys Ala Lys Met Pro Ile Val
5 10 15

Gly Leu Gly Thr Trp Lys Ser Pro Leu Gly Lys Val Lys Glu Ala Val
20 25 30

Lys Val Ala Ile Asp Ala Gly Tyr Arg His Ile Asp Cys Ala Tyr Val
35 40 45

Tyr Gln Asn Glu His Glu Val Gly Glu Ala Ile Gln Glu Lys Ile Gln
50 55 60

Glu Lys Ala Val Lys Arg Glu Asp Leu Phe Ile Val Ser Lys Leu Trp
65 70 75 80

Pro Thr Phe Phe Glu Arg Pro Leu Val Arg Lys Ala Phe Glu Lys Thr
85 90 95

Leu Lys Asp Leu Lys Leu Ser Tyr Leu Asp Val Tyr Leu Ile His Trp

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100	105	110
Pro Gln Gly Phe Lys Ser Gly Asp Asp Leu Phe Pro Lys Asp Asp Lys		
115	120	125
Gly Asn Ala Ile Gly Gly Lys Ala Thr Phe Leu Asp Ala Trp Glu Ala		
130	135	140
Met Glu Glu Leu Val Asp Glu Gly Leu Val Lys Ala Leu Gly Val Ser		
145	150	155
Asn Phe Ser His Phe Gln Ile Glu Lys Leu Leu Asn Lys Pro Gly Leu		
165	170	175
Lys Tyr Lys Pro Val Thr Asn Gln Val Glu Cys His Pro Tyr Leu Thr		
180	185	190
Gln Glu Lys Leu Ile Gln Tyr Cys His Ser Lys Gly Ile Thr Val Thr		
195	200	205
Ala Tyr Ser Pro Leu Gly Ser Pro Asp Arg Pro Trp Ala Lys Pro Glu		
210	215	220
Asp Pro Ser Leu Leu Glu Asp Pro Lys Ile Lys Glu Ile Ala Ala Lys		
225	230	235
His Lys Lys Thr Ala Ala Gln Val Leu Ile Arg Phe His Ile Gln Arg		
245	250	255
Asn Val Ile Val Ile Pro Lys Ser Val Thr Pro Ala Arg Ile Val Glu		
260	265	270
Asn Ile Gln Val Phe Asp Phe Lys Leu Ser Asp Glu Glu Met Ala Thr		
275	280	285
Ile Leu Ser Phe Asn Arg Asn Trp Arg Ala Cys Asn Val Leu Gln Ser		
290	295	300
Ser His Leu Glu Asp Tyr Pro Phe Asn Ala Glu Tyr		
305	310	315

<210> 341

<211> 422

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(422)

<223> n = A,T,C or G

<400> 341

gatganattt ttnnagaga gaggaagang ctattcagtt ggatgggatt aaatgcatca
 caaataagag aacttagaga gaagtcggaa aagtttgcct tccaagcccg aagttaacag

60

120

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aatgatgaaa cttatcatca attcattgta taaaaataaa gagattttcc tgagagaact 180
gattttcaaat gcttctgatg ctttagataa gataaggcta atatcactga ctgatgaaaa 240
tgctctttct ggaaatgagg aactaacagt caaaattaag tgtgataagg agaagacctg 300
ctgcatgtca cagacaccgg tgtaggaatg accagagaag agttgggtta aaaccttggt 360
accatagcca aatctgggac aagcgagttt ttaaacaaaa tgactgaagc acaggaagat 420
gg 472

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<210> 342
<211> 472
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1) ... (472)
<223> n = A,T,C or G

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<400> 342
ctggagaagg tgtgcagggg aaacctgtct gatgtcaccg aggccagggt gtctttctac 60
tcgggacact cttcctttgg gatgtactgc atggtgttct tggcgctgna tgtgcaggca 120
cgactctgtt ggaagtgggc acggctgctg cgaccacag tccagttctt cctggtggcc 180
tttgccctct acgtgggcta caccgcgctg tctgattaca aacaccactg gagcgatgtc 240
cttggtggcc tcctgcaggg ggcactggtg gctgccctca ctgtctgcta catctcagac 300
ttcctcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360
agcctgtcac tgacgttgac cctgggcgag gctgaccaca accactatgg ataccgcac 420
tcctcctcct gaggccggac cccgccagg cagggagcta ctgtgagtcc ag 472

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<210> 343
<211> 139
<212> DNA
<213> Homo sapien

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<400> 343
gtcctgggcc ttcccttcc ctcaagccag ggctcctcct cctgtcgtgg gctcattgtg 60
accactggcc tctctacagc acggcctgtg gctgttcaa ggcagaacca cgacccttga 120
ctcccggtg gggaggtg 139

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<210> 344
<211> 235
<212> DNA
<213> Homo sapien

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```

<400> 344
ctgcgggctc agcacagtag acatgactgg gatccccacc ttggacaacc tccagaaggg 60
agtccaattt gctctcaagt accagtcgct gggccagtgt gtttacgtgc attgtaaggc 120
tgggcgctcc aggagtgcc ctatggtggc agcatacctg attcaggtgc acaaattggg 180
tccagaggag gctgtaagag ccatacgcaa gatccggtca tacatccaca tcagg 235

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<210> 345
<211> 458
<212> DNA
<213> Homo sapien

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<400> 345

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ctgtaagggtg	ctattcagtc	ctgtgaccct	tattttggaa	tgctcttcat	tactgttgct	60
ctgtttttgtg	acttctctggg	aaaccgccta	ctttgggtgtg	gtgtcacctt	gagctgtgca	120
cataggacac	cagttttgac	ttaacctaac	aggcagtttt	tatctctagc	tttttcaagc	180
caggtattga	gcagtttctt	ggccaatggc	ctgagaaacc	acctgtccct	gtcaaggggt	240
gattttattg	gttttaagt	gggaagtaat	cccatgtact	tatttcttaa	atacctagga	300
agttcttctt	ggtggctcct	cttggccctc	ccctctttct	cccccaacc	accatcctgc	360
aaggcaagga	atggcctctc	cctccacaga	ggcaacggct	gcagagggag	cactgtggct	420
gccatcccag	tctctcttca	aagccaaaca	gacacgcg			458

<210> 346
 <211> 525
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (525)
 <223> n = A,T,C or G

<400> 346						
ccagagcaca	acgcctcacc	atggactgga	cctggaggat	ntctctnnng	gtggcagcag	60
ccacaggtgt	ccactcccaa	gcccacttg	tgcagtctgg	ggctgaggag	aagaagcctg	120
gggcctcagt	gactatttct	tgtaaggctt	ctggatatat	ncttactaaa	tatactttac	180
attgggtgcg	ccaggccccc	cccgacaaa	gacctgaatg	ggtgggatgg	atcaacactg	240
gcattgatac	cgttaaatat	tcacagaagt	ttcaggacag	agtctccatt	acctgggact	300
catccgcgac	cacagnctac	ctgnanntga	gtagcctgga	atccgaagac	acggctgtgt	360
attactgtgc	gagacttang	gcccgttcgc	tgtgggtgga	cttaatgacg	cttttgacat	420
ctggggccaa	gggacagtgg	tcaccgtctc	ttcanggagt	gcattcgccc	caaccctttt	480
ccccctctct	cctgtgaaga	attccccgnc	ggatacgagc	agcgt		525

<210> 347
 <211> 423
 <212> DNA
 <213> Homo sapien

<400> 347						
ccagacgctg	acttgtttct	gagtccttaa	gcaggaagga	tttgaaatcc	tggagcttgg	60
cagtcttgct	cttcacctct	aagccaatgt	tgaccccttc	atctataaag	tccacaactc	120
tccggaagtc	atcctcacgg	aactgtcgag	aagttaaggc	tggggcccca	agccgcaggc	180
cgcccgggtg	gatggcactt	cggtctccag	gacaggtgtt	cttgttggca	gtgatggata	240
caagctctag	caccgcctca	gcccagagctc	catccaggcc	cttggggccgc	aggtccacca	300
gcaccaggtg	gttgtcagta	ccacctgata	ccagtgaagta	gcctcgctct	agcagggcat	360
ctgccatggc	ccgagcattc	ttcagaacct	gcagggagta	ctcccggaac	atgggggtgc	420
agg						423

<210> 348
 <211> 513
 <212> DNA
 <213> Homo sapien

<400> 348						
cctctaggcc	tgatgctctc	agaggcaata	gaagaaaagt	aaaaggaagg	tctcacttca	60
cagacaatga	aaccctccta	accctcttcc	ccactaccca	caactcccta	cactgccaat	120
ctaaataaaa	agaggacaat	gcatgagtg	gagatacaca	tacacacaca	cacatacaca	180

123

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cacacacacg cacagcttcc tttcagccaa agaactgcaa aatccttccc cggaaggagg 240
acaactggca acaccaatca aggcttggtg gtctaagggtg atggctggaa tcatgtgaga 300
ctggtaaaaa tccagggaga aaatgtttca ctttcagctc attcccaagt ctctatgaag 360
ccccccacac ttccacatag gggaactgtg gctctggggg cagcctctgc agctactcag 420
aataggtggg aggaggggct ggctttgagg ctgccttagc catgaggctc tttgcctagg 480
aatagctgga gatgggagct gcagggggct cag 513

```

```

<210> 349
<211> 231
<212> DNA
<213> Homo sapien

```

```

<400> 349
ccttatttct cttgtccttt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagagtagga ttgcgctggt atccctaggg taacttgttc c 231

```

```

<210> 350
<211> 341
<212> DNA
<213> Homo sapien

```

```

<400> 350
ctgcccaagg gcggttcgtaa cgggaatgcc gaaycgtggg aaaaaggagg cgggtggcggg 60
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120
aaatgacaaa gaggcagcag gagagggccc agccctgtat gaggacccc cagatcagaa 180
aacctcacc cagtggcaaac ctgccacacc caagatctgc tcttggaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggtaaaag gaagaagccc cagatatact 300
gtgccttcaa gagaccaa atgttcagagaa caaactacca g 341

```

```

<210> 351
<211> 256
<212> DNA
<213> Homo sapien

```

```

<400> 351
ggcgttgggg acggtttagt gacgtggctc tttattcgtg agttttccat ttacctccgc 60
tgaacctaga gcttcagacg ccctatggcg tccgcctcga cccaaccggc ggccctgagc 120
gctgagcaag caaagtggtt cctcgcgagg gtgatccagg cgttctccgc cccggagaat 180
gcagtgcgca tggacgaggc tcgggataac gcctgcaacg acatgggtaa gatgctgcaa 240
ttcgtgctgc ccgtgg 256

```

```

<210> 352
<211> 368
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G

```

```

<400> 352

```

124

cctttcttgt	aagtgaagaa	naaggaatgc	agcaaagaag	agttcgacat	tggagtcctt	60
agttccatca	ggatcccat	cgcagccttt	agcatcatgt	agaagcaaac	tgcacctatg	120
gctgagatag	gtgcaatgac	ctacaagatt	ttgtgttttc	tagctgtcca	ggaaaagcca	180
tcttcagtct	tgctgacagt	caaagagcaa	gtgaaaccat	ttccagccta	aactacataa	240
aagcagccga	accaatgatt	aaagacctct	aaggctccat	aatcatcatt	aaatatgccc	300
aaactcattg	tgacttttta	ttttatatac	aggattaaaa	tcaacattaa	atcatcttat	360
ttacatgg						368

<210> 353

<211> 368

<212> DNA

<213> Homo sapien

<400> 353

ctgaggggtg	gcagtaagca	atgaggatgg	gctataaagc	tgtaactgg	ctaagggcca	60
tccctgggca	ggcatttcag	acacatctgt	agagagggca	gtagcatctc	cgataggcca	120
gctctgaagg	aagcttaatg	cttaatacag	tcacactgca	taaattagct	tagaatgctc	180
tcttgggtaa	aaaatattaa	tagtgtatat	gcacttgaag	agcaaaattc	ctcaagaaaa	240
aaagtttaat	agcaaggagt	ttccatcagt	cccggctctt	gtgaggatta	ccacaacaaa	300
cacttaaaag	gatacaacag	gtacttatta	aatgctgcct	tgctttttac	ctcttccttt	360
tttttttt						368

<210> 354

<211> 380

<212> DNA

<213> Homo sapien

<400> 354

ccatggcttc	tcacccagac	agtctttctg	ggcaacttgg	ggaagcccct	gttctgctca	60
agtctcacc	catggaagag	gtgggggaag	ggggccttgg	tttttcagga	agacaggttg	120
gagagcacga	gtcactacaa	agcagtaaaa	gtgaatgggtg	tctccagggg	ctgggtccag	180
aacaccacgg	agagccccag	ccataaagg	gtgttcgcgc	tctggcctgc	aggaatctct	240
ttgaatctct	ttgattgggtg	gctccaagag	caatgggaag	tcaacagcca	ggaggctgga	300
ctgggttccc	tgggaccccg	aggtcccaga	gctgctgggc	agtggttgtc	ggcaaagaag	360
aaaggtccaa	gagggtcagg					380

<210> 355

<211> 347

<212> DNA

<213> Homo sapien

<400> 355

ccagtggagg	ggtgggggta	tcgatcccgc	cgggggctgg	cttgggtgct	ggtgccctga	60
gcccttctct	gcccgcctgg	gtgttgctt	cactgatgga	ggtaggcgto	cagccagatg	120
tcaccagact	tcttcgggga	cctgacgatg	tccaccagcg	cgggtgaggaa	gggcttcact	180
tcgtagctga	ggcgtgctt	ggcacacagc	gacttgacca	gcggggccac	ccggctgtag	240
ttgtgtctcg	gcatcctggg	gaagaggtgg	tgctcgatct	ggaagttgag	gtgcccgctg	300
aaccagttgg	tgaaaagtga	gggtccacg	ttgcaggtgg	ctgccag		347

<210> 356

<211> 157

<212> DNA

<213> Homo sapien

<212> DNA

<213> Homo sapien

<400> 360

tttaaatttt	actagtgtta	cttaatgtat	attctaaaaa	gagaatgcag	taactaatgc	60
cctaaatggt	tgatctctgt	ttgtcattac	tttttcaaaa	ttattttttt	ctgtaaagta	120
taatatataa	aacttcttgc	ttaaattgaa	tttctatatt	agtggttaat	tgcaagttat	180
taaagggatc	attatcagta	atttcatagc	aactgttcta	gtgttttgtg	tttttaaaac	240
agaattagga	atttgagata	tctgattata	tttttcatat	gaatcacag		289

<210> 361

<211> 311

<212> DNA

<213> Homo sapien

<400> 361

ctgttcagta	tggcaaaggg	cagacttact	ccttcatcca	ctctgctgcc	ttgatgaggt	60
gaacacactg	gaataagatg	gagggcagga	tacctgccaa	agcctgagga	atgagatgat	120
ctgaaacaat	tgggcaaagg	ctggacattt	caaaaagctg	acttccaact	gcagtttatg	180
gggtatagaat	ttgatgcttc	cctcaagtcc	tgactgctct	ttctgaggca	gccaggctag	240
gccaaagaaat	gagctgctcc	agcttctcca	gagcacagca	gcctcccagg	gcctgtcagc	300
atctgcagca	g					311

<210> 362

<211> 496

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (496)

<223> n = A,T,C or G

<400> 362

ccagtttcta	aaanaatgca	catttaaaga	gaagcatcta	ccacggcttt	aaaacaaaac	60
aactctgaga	tgaacaatat	gtgttatact	cagagattaa	caatctcaat	catacatact	120
gattctttca	gacatttaat	aaccactaca	tttttttgca	ttaatgaagt	ttgactatat	180
gtgtaaaggg	actaaatatt	tttgcaacag	cctgttcttt	gttcattctt	ttctggatag	240
cgtgtcctct	gtattgcggt	agattttatac	attctgttgc	ctaaatatgt	gtgtaaaatg	300
agctgataaa	ctggagtact	acttaaaaaa	aagtctgtga	tttataagat	gcataatgctt	360
tctatgtgaa	tataagcttg	tgacacaatgt	ttaaaagaaa	aacaatgaat	tagaagagat	420
cccccgctcc	ccagtctgac	atattttcata	cagaatgttt	aaaagaaaaa	ctctgctagt	480
cttggaac	atttgg					496

<210> 363

<211> 673

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (673)

<223> n = A,T,C or G

127

<400> 363

ccaagagggga	gataanacaa	acttctcaaa	caaaaagaaa	agaaaaacga	atgattcatc	60
tgctttaatc	agtgtgatta	atgcagcacc	cattgccccg	ggaaccgttt	ctgctgtact	120
atctggatac	taaaatgtta	cggaagtagc	tctttgttct	ccctcactct	gcccttagtt	180
aatagaaatt	cagactcgcc	aagtaaggct	ttgtgcatag	tgtcttcacg	tcgcgtatag	240
ttgagcgct	tcttagcagt	tggcttcacg	gacagctcat	tagtgttttg	acttttctta	300
cccagcgta	attgaattct	tgctttttaga	caacttcctt	tttgtagtgg	tgaaccttgc	360
ccttttagtac	agttcaagt	aatctggata	attgttcac	tttgcttttag	cttagatacc	420
atgtagtgg	ctgtggctac	aggaagctgg	ttctgtctgc	ttccacagtc	tgcttaaaaa	480
actgtctgac	ttcgtgaata	tagagaccaa	gtttaccact	tctgatgaag	agaccaatta	540
agattcattc	ctcattctgt	ttctttccag	tgggagaaga	gtcccatga	aataagatga	600
aactgattcc	atgcactagt	acatgtaggc	ttctcccttg	cgcaaagctt	aacaatttgt	660
aggaaacttt	ggg					673

<210> 364

<211> 495

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (495)

<223> n = A,T,C or G

<400> 364

ccaaatgttt	gcncagact	agcagagttt	ttcttttaaa	cattctgtat	gaaatatgtc	60
agactggggg	acgggggatc	tcttctaatt	cattgttttt	cttttaaaaca	ttgtgcacaa	120
gcttatattc	acatagaaa	catatacatc	ttataaatca	cagacttttt	tttaagtagt	180
actccagttt	atcagctcat	tttacacaca	tatttaggca	acagaatgta	taaatctacc	240
gcaatacaga	ggacacacta	tccagaaaag	aatgaacaaa	gaacaggctg	ttgcaaaaat	300
atttagtccc	tttacacata	tagtcaaact	tcattaatgc	aaaaaatgta	gtggttatta	360
aatgtctgaa	agaatcagta	tgtatgattg	agattgttaa	tctctgagta	taacacatat	420
tgttcatctc	agagttgttt	tgtttttaa	ccgtggtaga	tgcttctctt	taaatgtgca	480
tttttttagaa	actgg					495

<210> 365

<211> 291

<212> DNA

<213> Homo sapien

<400> 365

aactgacaag	cccttgcgcc	tgctctcca	ggatgtctac	aaaattggtg	gtattggtac	60
tgttcctgtt	ggcccagtg	gagactggtg	ttctcaaacc	cggtatggtg	gtcacctttg	120
ctccagtcaa	cgttacaacg	gaagtaaaat	ctgtcgaaat	gcaccatgaa	gctttgagtg	180
aagctcttcc	tggggacaat	gtgggcttca	atgtcaagaa	tgtgtctgtc	aaggatgttc	240
gtcgtggcaa	cgttgctggt	gacagcaaaa	atgaccacc	aatggaagca	g	291

<210> 366

<211> 277

<212> DNA

<213> Homo sapien

<400> 366

ctggatggtg	cctcagaagg	tgcatctctgc	ttctgcaggg	gcttgaaaca	ccaaggcact	60
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<210> 367
<211> 311
<212> DNA
<213> Homo sapien
```

```
<210> 368
<211> 384
<212> DNA
<213> Homo sapien
```

```
<210> 369
<211> 216
<212> DNA
<213> Homo sapien
```

```
<210> 370
<211> 561
<212> DNA
<213> Homo sapien
```

<400>	370						
ctggctcctt	cttttgtggt	cgtttggggg	atgggctggt	ttgggggttta	ggtgcagaga		60
atggtttg	gccactgct	actggaccac	tctgagcctt	cagggcaggg	ttcttgtgag		120
tcttcattg	atcagataca	tgtttcaggg	catgtgtaat	gctctcccc	tgattaatct		180
gcgcgaacag	tgctgagcgg	gaagcagact	catctgagcc	tgaactggta	gagactgggg		240
gaggaggggg	gcctggtgga	gggggaggag	gacctgatcc	ggcagagggt	ccagatggca		300

```
<210> 371
<211> 518
<212> DNA
<213> Homo sapien
```

```
<210> 372
<211> 335
<212> DNA
<213> Homo sapien
```

```
<210> 373
<211> 467
<212> DNA
<213> Homo sapien
```

```
<210> 374
<211> 284
<212> DNA
<213> Homo sapien
```


<400> 377
tctagatgca tgctcgagcg gccgccagtg tgatgganat ctgcagaatt cgcccttoga 60
gcggccgccc gggcaggttc ggggtgctgcc ttcacctgcc aggcccttcc ccgctagctt 120
ggggcgagca gagctgcgtc cagtggaaact aaagccgttc caggattatc aaaaactgag 180
cagcaacctt gggggacctg gatcatcacg gactcccca actggaaggt ccttctcttg 240
cctcaattcc cgtctcaagg ccacgccttc cacctacagt ggagtcttcc gcaccagcg 300
cgtcga 306

<210> 378
<211> 199
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(199)
<223> n = A,T,C or G

<400> 378
ccacangtgg cacttgggtg tggctcctct gttatttgtc ctcatgtgag aaagcagatc 60
atctccaaat cttgccattt gtatactttt ggtggagact tggatgtcat atcttctttg 120
ttttgggttt tcttccctag cttattttgt ggcttttaaa gaagtggatt gtattgtgag 180
atcctgtgat tcttgggtg 199

<210> 379
<211> 216
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 379
ccagggcang tcatcaagag gggcattgtc ttgcatgagg cctgccgtgt ccaccagcac 60
cacgtcaaag ccttggttac gtgcaaaagc aatggcttcc atggcaatgc cagcagcatc 120
cttgccatag cccttttcaa acaactgcac catgggtgagg ccaccatgct tctctggagg 180
gtgtagggca ctcaaagcc ggggtgtgtg acgcag 216

<210> 380
<211> 555
<212> DNA
<213> Homo sapien

<400> 380
ccatgggcct tcctttccac taaaaggaat tccgaacagc aaaaagaagg tcttgagata 60
gtgaaaatgg tgatgatatc ttagaagggt gaagatgggt tggatgaaat ttattcattc 120
agtgagagtc tgagaaaact gtgcgtcttc aagaaaattg agaggcattc cattcactgg 180
ccctgccgac tgaccattgg ctccaatttg tctataagga ttgcagccta taaatcgatt 240
ctacaggaga gagttaaaaa gacttggaac gttgtggatg caaaaaccct aaaaaaagaa 300
gatatacaaa aagaaacagt ttattgctta aatgatgatg atgaaactga agttttaaaa 360
gaggatatta ttcaagggtt ccgctatgga agtgatatag ttccctttctc taaagtggat 420
gaggaacaaa tgaaatataa atcggagggg aagtgtcttct ctgttttggg attttgtaaa 480

tcttctcagg gtcagagaag attcttcatg ggaaatcaag ttctaaaggc tttgccccaa 540
gagatgatga ggcag 555

<210> 381
<211> 406
<212> DNA
<213> Homo sapien

<400> 381
ctgcaccagg tgggcctcta ggtcccatta agcccatagg tccagggcca agtccaactc 60
cttttccatc atactgagca gcaaagttcc caccgagacc aggggggcca ggaggaccag 120
gtggaccagg agggcctgtg ggaccatctt caccatctct gcctgggggg cctggtggac 180
ccctttctcc acgtggtcct ctatctccgg ctgggccctt tcttacagtt tcctcttgta 240
aagattggca tgttgctagg cataaggtta ctgcaagcag caacaaagtc cgcgtatcca 300
caaagctgag catgtctagc acttagacat gcagactcct tgtgtcgag agcccctggg 360
tcaccggcgg aggtatcacc tggcggggcg gggcatgcag tcgtgg 406

<210> 382
<211> 528
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (528)
<223> n = A,T,C or G

<400> 382
ctgagcagtt tgtgggtntn tcttcccga agtttcagga agtattcaca aaagaaaaat 60
acattttttc ccccggggtt ggggcaagga cagtggagag agtgctagga aatgagtccc 120
ctgggaaagg ggaccggggt gtgatgttaa atatctccgg ctcccagtg actggatttg 180
cctaggacct tcagaccaac agacttcaga cctcagacc tgccccgggg ccaggtggag 240
aaagtgaggg cgtacaagg aagtgaatt ctgagttgtt ggggctaagc ctgaccccct 300
ctccatgctc cccgccccaa cccactctgg cctcagtaga tttttttttc agttgtgggt 360
gttgcccagg ctggagtgca gtagegccat cttggctcac tgcacctcca cttccggggc 420
tcaagcgatt ctccagctc agcctcctga gtagctagga ctgcaggtgc tccaccacgc 480
ccggctaatt tttgtatttt tagtagagat ggggtttccc catgttgg 528

<210> 383
<211> 335
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (335)
<223> n = A,T,C or G

<400> 383
ccatnttgag tctactcctg cgtcttgtgc cctagcaccg cgagaaccgt cagtttgagc 60
cagatggaag ctgagctgaa cacattacga tggatgatgg aaacataaga ctatcaagaa 120
atccaagtgg taatgggcga agtttattca gcatccggca atggacttat cgtagttggg 180
gaaacgggtg ttccgaataa tatcctggaa gttatcagga cacctatattt aaatataggc 240
ctgaattttg taaagtaata tttaagggtg tccgtgataa ttaaataaaa tgcttaattc 300

atgtggcgaa aaaaaaaaaa naaaaaaaaa aaaaaa

335

<210> 384
<211> 333
<212> DNA
<213> Homo sapien

<400> 384
agccaatac ggctattggg gttgtagcag ctttcagagg aaattagtgg tctgggcttg 60
cctccagctc cccaggggca gcccagtag ctacactgtc cagacagcac aagaccaggc 120
tggtgtcacg tccatccgag cgctgcctca gggatcgata aagtttcact gcagaaagtc 180
tccactgcgg tatgtcgaca tctgccctga accttcaccc tacagcatta caggctttaa 240
tcagattctg ctggaaagac acaggctgat ccacgtgacc tcttctgcct tcaactgggct 300
ggggatgatcc ttggtgcctt tgtttccaca agg 333

<210> 385
<211> 343
<212> DNA
<213> Homo sapien

<400> 385
ctgtgacacc tcaggttgaa agggctcttc tccttgaaca cccaccgagg ggctggagc 60
aacagccagc cgatatggac ttctagctgc accgggtcac tgagggtgga gaggtttgtc 120
tggcacctgt actctccact gtctgcgact gtggcagcgt caatgaagta gctcgaggcc 180
tggcttgaga tgaggctctc attgtgaaac cactgtgtgg aattgtcctc aggggagtag 240
gctccctggc acttcagagt cacactgtcc ttctcgagca cctgtacca ttgaggctcc 300
aggaacacca cagcctttgg gagatcttca gtccgcacgc caa 343

<210> 386
<211> 244
<212> DNA
<213> Homo sapien

<400> 386
tattctttga ttcttggcaa ataggtgaga gaactaatag caaccaggca actgaggacg 60
aagtcaaaaa gtcggttaaca gaagaatgga atcagccaac ccacttgata agaaattgct 120
ccataaacca gcattgaact gattataaac ataagaacag agacggcaaa aagaacacag 180
gcattatcag ccattctctc agacgaatag taattaccga tgacttcata ctgaatgttg 240
acag 244

<210> 387
<211> 504
<212> DNA
<213> Homo sapien

<400> 387
atctggagtc cagcctcagg gatgcgctac tttccattct ctgcattgaa cattcgttct 60
gtcagcatcc gctccagctt cactgcatca gcggaact tgccgatccc gtcagagagc 120
ttctccacag ccatctggct ctcgttgtgc aaccaacgga aagacttctc atccagggtg 180
atctttttcca ggctactggc ttggggccgc ttggctgaga gcacaggcac cagcttggcg 240
ttgtcctgca gcagctctcc caggagcttg ggtgggatgg tgaggaagtc acagccggcc 300
agtgccttga tctcgcccg gttgcggaag gaggcgcca tgacaatggg tttgtagcta 360
aacttcttgt agtagttgta gatttttagtg acactcttta cccaggggtc ttccaggggc 420
tcataggatt tcttgtcggg gtttgccaca tgccaatcaa ggatgcgccc aacaaatggg 480

gagatgaggg tcacaccgc ctcg

504

<210> 388
 <211> 450
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1) ... (450)
 <223> n = A,T,C or G

<400> 388
 gccaaagtgc tgcntgaatt ccactccctt ggttttcgcc tgcccagcgt tgctgtttgc 60
 gtggaggggtg gggggagctc agtggcaggg aatcagcggg ccgtgggggc gtggggacgg 120
 gaacatgtgc ccgaccgctc catccctcc tcctccttag gatgcataac ctacctgtgc 180
 tttttttttt taaattttnt ttccagggtan agtagctntt tgtacataaa naataactga 240
 aaaattaatt gtatgatgta tgaaaanaca nagtctccta gttttgtatn ttgttgtatg 300
 actgccatga gttccaccaa aaagccactn tattttgggc tntgtgacat tttaaatgcg 360
 tgacaaaagt gagcaaataa agngaggaan aaatntatnt atganataat atanattgta 420
 ttgaaatcta aaaaaaaaaa aaaaaaaaaa 450

<210> 389
 <211> 297
 <212> DNA
 <213> Homo sapien

<400> 389
 cctgcacttg aacatgyctt tggttttaag caacttctct accctgacct tcctcctggg 60
 acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccggt 120
 caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
 caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240
 tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

<210> 390
 <211> 223
 <212> DNA
 <213> Homo sapien

<400> 390
 ctgggctgga gagttggtgc tggcaaaaaca gtccttcccc tggggccggg tcttaccag 60
 gtccagagaa accaacgcgg gatgtcagac ttcacaaaaa ggactttctg gttgccctg 120
 gctggcttcc tggaggcgtt cgcctctagt ttctcaggga tggagcgaga gccagccag 180
 agaacagtaa gaggagctgc tctcctatct gcactcacc agg 223

<210> 391
 <211> 365
 <212> DNA
 <213> Homo sapien

<400> 391
 ctgaggaaga aatgaaaaaa gaccctgtcc ctcatggccc gccactggc ctctgtgaa 60
 ctctgtcctg ttgccaccc cagatgaagt cagccaaaaa gtgctttcca catcctctct 120
 ctggggctgc ccagcctgac cgtaggggat ccactggcag agccaagggt gatgctgggt 180

```
<210> 392
<211> 302
<212> DNA
<213> Homo sapien
```

[illegible]

```
<220>
<221> misc_feature
<222> (1)...(213)
<223> n = A,T,C or G
```

```
<210> 394
<211> 334
<212> DNA
<213> Homo sapien
```

```
<210> 395
<211> 174
```

<212> DNA
<213> Homo sapien

<400> 395
ccagatgagg aaaaaaatta ggaaggagat gaagttttcc aaattttcatg gtatatgctg 60
caattcccca accttccactc tccatgtagc ctactgggtc tactattcca caaagtggct 120
caacctccaa atgacctctg gtttaccctt attaaaatcc caaaggactt tcag 174

<210> 396
<211> 140
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (140)
<223> n = A,T,C or G

<400> 396
ctgcaaagcc ttgtgtaacn ttctccagca tttggacca gtacgtgaaa gccacaaca 60
cgttcattgt ctttagtatt acagattatt tttgcataac atttggtgtt atctcttgac 120
ggaatcgtcc attccaatgg 140

<210> 397
<211> 318
<212> DNA
<213> Homo sapien

<400> 397
cctcgcctgg agggcccccg ggcagcacag ggaggacgag cttgtccagc agagggtctg 60
gcagagggtc ccgcagaggt ttgggcaggg ggtctgacat ccctggctcc tgctctggct 120
ctggctgccg ggatttgcac aggccaggt gcatacagat gccgtttgag tcagtctggc 180
tctggaagta gtcgatgacc agggggaagt agtcgtcaag cacttggttg cactggggca 240
tgagcagctt caaggggagg acgttgcaact cctgctccag gaacttcctc atcgtgtcct 300
ggaaaatggc ctccttgg 318

<210> 398
<211> 517
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (517)
<223> n = A,T,C or G

<400> 398
ccttntctcg ccatccattc atcgaccctc tccagcaactt gctgcaggct tggctgacca 60
tccaccatgg cttgaataat cccggtgagc tctgtacaga atggggtaag ctgtggatgg 120
actacaggct ggacatacat gtgaaaggta gactcaatct ccatggctccg gccatttagc 180
tttaggatgg ggaactcgat gatttcctga ggatgaatct gtggcttgct gcacgtggcc 240
tcaaagtcca gcactaaaaa gtagtgtac ctctggagag ggaaggacac cattgccgcc 300
atggatgcgc caaagccgtg ggccgccagc tttctggtgg atatggagca gaactccgga 360
acaccacagg gagaaaataa gtgggagccc agcacttttc ttgctcttga aagtaaatac 420

<210> 403
 <211> 440
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(440)
 <223> n = A,T,C or G

<400> 403
 ctgtttaacc agnaaccgg ggggtcacc cccacagaat gtacatgaaa cactagagga 60
 ctgcatgttt ttccctgaga gaagcgtaag acaaacagaa gtcaaaaagt agtcactggg 120
 agcgccatcc ttctaagcaa atcctccctt tcccttttgg aggatttgcc cgaactacgt 180
 agccagtcag cacttagacc acctgcctcc tccccccct ataaaccac cactccctc 240
 ctccctttccc aaaccacttg ggggtgtccta agccctcact gcccgaagcc caaaatatca 300
 gctaagatcc ttgtcagtat ttccacagtc atacctaatg aattgggaag tggggcccct 360
 aaaaaccaat tcacatctat gcacttggtt ccactggatt tggcagacag gcttttttag 420
 ttaccgtaac cagatcttaa 440

<210> 404
 <211> 239
 <212> DNA
 <213> Homo sapien

<400> 404
 cctacgaaaa actcccgcc ggtgaagaga acgtcagtgc catccagcgt cgcgttctcg 60
 tctcctattt ccacaattcg gagccccagg tcttgagggg ctttgaggac tccatcgacc 120
 tctggcctac gagcggggct ccaggggcgc gtgattaggg ccgtgtcccc ttggatcacg 180
 gccgtgtcgc caagcagcgg tcccagcggc aatgactcct cagggtggcag ttctagcag 239

<210> 405
 <211> 261
 <212> DNA
 <213> Homo sapien

<400> 405
 ctggagaggc agcccttcac cggatgcccc gctccgtgcc cctgcggggc ccagcacagt 60
 ttaccttctc cccccaggc ggtcccatct actctgtgag ctgttcccc ttccacagga 120
 atctcttctc gagcgtctgg actgacgggc atgtccacct gtactccatg ctgcaggccc 180
 ctcccttgac ttgctgcag ctctccctca agtatctgtt tgctgtgcgc tgggtcccag 240
 tgcggccctt ggtttttgca g 261

<210> 406
 <211> 641
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = A,T,C or G

ctgctccccg	gcntggtggc	agcaagtaga	catcgggcct	gtgcagggcc	accccttgg	60
gccgggagat	ggctctgcttc	agtggcgagg	gcaggctctgt	gtgggtcacg	gtgcacgtga	120
acctctcccc	ggaattccag	tcctctctgc	agatgctggc	ctcacccacg	gcgctgaaag	180
tggcattggg	gtggctctcg	gagatgttgg	tgtgggtttt	cacagcttcg	ccattctggc	240
gggtccagga	gatggtcacg	ctgtcatagg	tggtcaggtc	tgtgaccagg	cagggtcaact	300
tggtagactt	ggtgaggaag	atgctggcaa	aggatggggg	gatggcgaaag	acccggatgg	360
ctgtgtcttg	atcggggaca	cacatggagg	acgcattctg	ctggaaggtc	aggccccctgt	420
gatccacgag	gcaggtagaac	atgctctggc	tgagccagtc	gctctctttg	atggtcagtg	480
tgtgtgtcac	ctttagagtc	gtgggcccag	actctttggc	ctcagctctgc	acctggctcg	540
tgtgtacgac	agaccccacc	tgcttcccct	cgcgcagcca	ggacacctga	atctgccggg	600
gactgaaacc	cgtggcctgg	cagatgagct	tggacttgcg	g		641

<211> 173

<212> DNA

<213> Homo sapien

c	caggtactg	gcacaatcat	gtctggatgg	gggtggtggt	gtcctgtagg	cagagaaaca	60
g	gaaatgtc	gtagtcagta	tcgagcagcg	tggcctcggt	cgccaccgta	tagttgatct	120
t	gaactctt	tggattctca	gtcttctctc	caaggacctt	cttctcaaca	cag	173

<211> 165

<212> DNA

<213> Homo sapien

ccactgtctg	cagccatggc	agaaagtgct	caaagtccag	caccttcaca	ttcatctcat	60
cactcttggy	gttccccagg	accttgagca	cctcggcgtt	ggtagggttc	tggcccaggg	120
ccctcatcac	atccccacac	tggetgtaca	ggatcttgcc	atcac		165

<211> 329

<212> DNA

<213> Homo sapien

ctgtagcttc	tgtgggactt	ccactgctca	ggcgctcaggc	tcagatagct	gctggccgcg	60
tacttgttgt	tgctttgttt	ggaggggtgtg	gtgggtctcca	ctccgcctt	gacggggctg	120
ctatctgcct	tcaggccac	tgtcacggct	ccgggtaga	agtcacctat	gagacacacc	180
agtgtggcct	tgttggcttg	aagctcctca	gaggagggcg	ggaacagagt	gaccgagggg	240
gcagccttgg	gctgaccaag	gacggctcagc	ttgggtccctc	cgccaaatac	cgccggataa	300
gcaccactgt	tgtctgctga	ttgacagaa				329

<211> 235

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

$\langle 222 \rangle$ (1) ... (235)

<223> n = A,T,C or G

<400> 410

ccatcagnga	gaaaggtggt	tgtcagttgt	ttcacaaacc	agattgagga	ggacaaactg	60
ctctgccaat	ttctggattt	ctttattttc	agcaaacact	ttcttttaaag	cttgactgtg	120
tgggcactca	tccaagtgat	gaataatcat	caagggtttg	ttgcttgtct	tggatttata	180
tagagctttt	tcatatgtct	gagtccagat	gagttggtca	ccccaacctc	tggag	235

<210> 411

<211> 294

<212> DNA

<213> Homo sapien

<400> 411

aattaagggga	agatgaagat	gataaaacag	ttttggatct	tgctgtggtt	ttgtttgaaa	60
cagcaacgct	tcggtcaggg	tatcttttac	cagacactaa	agcatatgga	gatagaatag	120
aaagaatgct	tcgcctcagt	ttgaacattg	accctgatgc	aaaggtggaa	gaagagcctg	180
aagaagaacc	tgaagagaca	gcagaagaca	caacagaaga	cacagagcaa	gacgaagatg	240
aagaaatgga	tgtgggaaca	gatgaagaag	aagaaacagc	aaaggaatct	acag	294

<210> 412

<211> 433

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (433)

<223> n = A,T,C or G

<400> 412

cctgagaagc	cagaggcagg	tggagagggg	gtggaaagtg	agcagcgggc	tgggctggag	60
ccgcacacgc	tctcctccca	tgtaaataag	cacctttaga	aaaattcaca	agtccccatc	120
cacaaaaaaaa	aaaanaanaa	aaatttcagg	gantaaaaat	anactttgaa	caaaaaggaa	180
catttgntgg	cctggggggg	catctnantt	tntntagcnc	cagngattcc	ctccccnccc	240
cacccatcac	atanatgtaa	cacctttggt	ntaaaatggg	gagccgtttc	cacctgtccc	300
ccntccccgc	cccaggcag	ttgccccggn	gacacntcaa	gacaggancg	aggtagtntt	360
tcancancac	agttncacaa	ggaacagaac	agtntotccc	gccagccct	gcggcacaag	420
ggattgacac	gcn					433

<210> 413

<211> 494

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (494)

<223> n = A,T,C or G

<400> 413

ccttattttct	cttgctcnctt	cgtacagggg	ggaatttgaa	gtagatagaa	accgacctgg	60
attactccgg	tctgaactca	gatcacgtag	gactttaatc	ggtgaacaaa	cgaaccttta	120
atagcggctg	caccatcggg	atgtcctgat	ccaacatcga	ggtcgtaaac	cctattgttg	180

```
<210> 414
<211> 294
<212> DNA
<213> Homo sapien
```

```
<210> 415
<211> 421
<212> DNA
<213> Homo sapien
```

```
<210> 416
<211> 342
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G
```

```
<210> 417
<211> 389
```

<212> DNA

<213> Homo sapien

<400> 417

tattaattag	gttcttaaga	catttagaac	accaatttgt	gaggataaat	tccattcgtc	60
agagcaaaca	cagatcgag	gtagccctgg	agctgaggaa	tagctttgat	ttttggtaaa	120
atttgtgagt	ccacagcttt	ctgatcaatc	ttgcgctgct	ccgtaatctc	atattttctc	180
ttttctgtgt	cgaagatctc	accttcctgg	tgtctgggct	tccgcagctt	cttcttcttg	240
aagtaagcat	cagtaagatg	ttttgggatt	tttacattgc	tgatatcgat	tttggttgaa	300
gtggcaatga	caaatttctg	gtgtgttctt	cgtagaggaa	ctcgattgag	gaccagaggt	360
ccagtcacaa	gtaataagcc	actagccag				389

<210> 418

<211> 343

<212> DNA

<213> Homo sapien

<400> 418

gtgggagggga	gccaggttgg	gatggagggga	gtttacagga	agcagacagg	gccaacgtcg	60
aagccgaatt	cctggtctgg	ggcaccaacg	tccaaggggg	ccacatcgat	gatgggcagg	120
cgggaggtct	tggtggtttt	gtattcaatc	actgtcttgc	cccaggctcc	ggtgtgactc	180
gtgcagccat	cgacagtgc	gctgtaggtg	aagcggctgt	tgccctcggc	gcggtctctg	240
atctcgttgg	agccctggag	gagcagggcc	ttcttgaggt	tgccagtctg	ctggtccatg	300
taggccacgc	tgtttttgca	gtggtaggtg	atgttctggg	agg		343

<210> 419

<211> 255

<212> DNA

<213> Homo sapien

<400> 419

cctagcaaga	gaatcaccaa	atttatggag	agttaacagg	ggtttaacag	gaaggaagtg	60
ccttttagtaa	gttctcaagc	cagaggtctg	aggcagcagc	taaatcagag	gacagcatcc	120
tcagtgaag	tgagccattc	ggggtggcat	gtcactccag	gaataaacac	aacttagaaa	180
caaattgatt	cgtaggatag	cacagtgcac	tggtgcactg	tgaacctgag	gccactgtgt	240
caaactgtgc	actgg					255

<210> 420

<211> 261

<212> DNA

<213> Homo sapien

<400> 420

cttctgatga	taaccaaccc	ctagctacca	ctctgtattc	atcaggggag	gggtataaac	60
cccacatgca	agaagaaccc	ttgccccag	tgtcaaattg	gatggggatg	ctagagttat	120
agtaaagggg	aaaccctatg	taagctgtta	acagagttca	caggggtagg	gataaccctt	180
gttctccagc	tcccaaattg	gtcactttc	ccagcttctt	catccgttca	tcaatgctgg	240
caaagttccc	ctcaactgtg	g				261

<210> 421

<211> 179

<212> DNA

<213> Homo sapien

```
<210> 422
<211> 424
<212> DNA
<213> Homo sapien
```

```
<210> 423
<211> 256
<212> DNA
<213> Homo sapien
```

```
<210> 424
<211> 330
<212> DNA
<213> Homo sapien
```

```
<210> 425
<211> 333
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(333)
<223> n = A,T,C or G
```

<400> 425
 ctgctccatg gntctaaagt cagcaccacc cacacccaca atgatcactg acatgggacg 60
 gttcgaggca cgcaccacag cctcacgtgt ggcttcacac tccgtcacag caccatcagt 120
 cagnagaaac agnatgaagt attgngaggc antcccctga tgtgcagcct gggctgcaaa 180
 cctggacctg cccggggcggc cgctcgaaag ggcgaattcc agcacactgg cggccgttac 240
 tagnggatnc aganctcggg acnaagcttg gcagtaatca tggatcatagc tgtttcctgt 300
 gagcggttgg gatgaacgcg gccgtacgct cat 333

<210> 426
 <211> 411
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (411)
 <223> n = A,T,C or G

<400> 426
 ggggtgttcat catgaggatt gcttctgccca tggagctgat ggacgtgggc aggttgctga 60
 gaaggtgggg tggaagtgag tgccgggggt ggggtgagtgc cctgggtcttg ttcatagggg 120
 agcctttccc tagcagtggg acgctgtggt cttttctctc agcatattcc cttgggaagt 180
 ctagatttgc tattaatctg gctgagaatc taagttctgt gccttagaga cagtttgcac 240
 tttcccatat tgtgcctggg acagccatat gatttttttt cccaccaaac aagtatgcaa 300
 acagaaacca gttcaaaggg ggatggtgta aaagatgagg cagtanaaat gcctttgaat 360
 ggttttctgt agctaattct ctttaaattt tgtcctgctt tttttcttta t 411

<210> 427
 <211> 450
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (450)
 <223> n = A,T,C or G

<400> 427
 acgtgtacaa gtttgaactg gatacctctg aaagaaagat tgaatttgac tctgcctctg 60
 gcacctacac tctctactta atcattggag atgccacttt gaagaacca atcctctgga 120
 atgtggctga tgtggnatc aagttccctg aggaagaagc tccctcgact gtcttgctcc 180
 agaacctttt cactccaaaa caggaaattc agcacctgtt ccgcgagcct gagaagaggc 240
 cccccaccgt ggtgtccaat acattcactg cctgatcct ctgcgcgttg cttctgctct 300
 tcgctctgtg gatccggatt ggtgccaatg tctccaactt cacttttgct cctagcacga 360
 ttatatttca cctgggacat gctgctatgc tgggactcat gtatgtctac tggactcagc 420
 tcaacatggt ccagaccttg aagtacctgg 450

<210> 428
 <211> 377
 <212> DNA
 <213> Homo sapien

<220>

145

<221> misc_feature
 <222> (1)...(377)
 <223> n = A,T,C or G

<400> 428
 cagggctata gtgcgctatg ttgatctggt gttcatgcta agttccgcat caatatgggtg 60
 acttcttggg agtggggggac caccagggtg cctaaggagg ggtgaacctg cctacgttgg 120
 aaatagagct ggncaaaaact cctgtgctca tcagtagtag aattgcacct gtgaatagcc 180
 nccgccctcc agcatgggca acataacaag accctgcctc ttaaagataa aaattggaaa 240
 acactngtag gaaaaaaagg gtgnttggtc taaataaatn tggattgggn ataaatgacn 300
 caaaactatc atgaatttga aagcntttct aatttcttga aagtctgaaa aaagttaaan 360
 cncaatttta tctnaaa 377

<210> 429
 <211> 206
 <212> DNA
 <213> Homo sapien

<400> 429
 gttgctcctc caaagaaggt tggcttcaag gccgtgtcca gggacccacg agcagaggca 60
 ctgggggggca agggatctcc aaggggggcaa gggatcccta aagggggtag ctcacagggtg 120
 aggggggttta gggccctct agggagcgcc tgaggccata cattcaagag tgtccctggt 180
 gagggccagg gaagagccag gactgg 206

<210> 430
 <211> 473
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(473)
 <223> n = A,T,C or G

<400> 430
 ccttatttnt cttgtccttt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60
 attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
 atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
 atatggactc tagaatagga ttgcgctggt atccctaggg taacttggtc cgttggtcaa 240
 gttattggat caattgagta tagtagttcg ctttgaactg tgaagtctta gcatgtactg 300
 ctcggagggt gggttctgct ccgaggtcnc cccanccgaa atttttaatg caggtttggt 360
 agntnaggac ctgtgggttt gttaggtact gggtgcatta ataaattaaa gtcctatagg 420
 gtcttctcgt cttgctgtgt tatgccncc tcttcacggg cagggtcaatt tca 473

<210> 431
 <211> 215
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(215)
 <223> n = A,T,C or G

ggtgaacctg cctacgttgg
 aaatagagct ggncaaaaact
 nccgccctcc agcatgggca
 acactngtag gaaaaaaagg
 caaaactatc atgaatttga
 cncaatttta tctnaaa

<400> 431
 cctgtatnaa gctanaaaaa gactaccagc ccgggatcac cttcatcgtg gtgcagaaga 60
 ggcaccacac ccggctcttc tgcactgaca agaacgagcg gggtgggaaa agtggaaaca 120
 ttccagcagg cagcactgtg gacacgaaaa tcaccacccc caccgagttc gacttctacc 180
 tgtgtagtca cgctggcatc caggggacaa gcagg 215

<210> 432
 <211> 391
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(391)
 <223> n = A,T,C or G

<400> 432
 ccagcactgc cacaaacttt ttcagggcca ccaggcgctg cccttccagg accgggaacc 60
 tgccacttc tatccgcagg atgtagtga gtgcagattc caggtcagcc atgtagatcc 120
 tggagcgatc tgccaatttc caaacagtgg gagctatctt gttagcagtg gttgggtgcaa 180
 ctgtggtctg ggcagcctcc ctggtgagcc cagagagtct ctgcaggtaa gcggtataga 240
 aggacctgga ttccatgagc acggggactc gggagacgga gccattccgg aacagcaggt 300
 agcaagaggg gaagtcggtg acaccaaact ttctcaccac attggcctct gtgttcagca 360
 ccctgcgcac cgccacncct ttgtgctggg a 391

<210> 433
 <211> 420
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(420)
 <223> n = A,T,C or G

<400> 433
 ctgtagcttc tgtgggactt cactgctca ggcgtcaggc tcagatagct gctggctgcg 60
 tacttggtgt tgctttgttt ggaggggtgtg gtggtctcca ctccgcctt gacggggctg 120
 ctatctgcct tccaggccac tgtcacggct ccgggtaga agtcaattat gagacacacc 180
 agtgtggcct tgttggttg aagctcctca gaggagggcg ggaacagagt gaccgagggg 240
 gcagccttgg gctgacgtag gacggttagt ttggnccctc cgccgaatgc cgcanttcta 300
 ctgtcccaca cctgacagta atagtcanc ccatcttcgg cttgggctct gctgatggtc 360
 aggggtggccc gtgntccccg agttggagcc agggaatcnc tcagggatcc canagggccn 420

<210> 434
 <211> 239
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(239)
 <223> n = A,T,C or G

```

<400> 434
ccaaccanga gagaagggat cgcttgggtgc ccagggccca ccaggagctc caggcccaact      60
tggtattgct gggatcactg gaggacgggg tcttgcagga ccaccaggca tgccagggtcc      120
taggggaagc cctggccctc aggggtgtcaa gggtgaaagt gggaaaccag gagctaacgg      180
tctcagtggg gaacgtggnc cccctggacc ccagggtctt cctgggtctgg ctgggtncag      239

```

```

<210> 435
<211> 415
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(415)
<223> n = A,T,C or G

```

```

<400> 435
ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc      60
tatgtatgtg gaatccanaa ctcagtgagt gcaaaccgca gtgaccaggt caccctggat      120
gtcctctatg ggccggacac ccccatcatt tccccccag actcgtctta cctttcgga      180
gcaaacctca acctctctg ccactcggcc tctaaccat cccncanta ttcttggcgt      240
atcaatggga taccgcagca acacacaaa gttctnttta tcgccaaaat cacgccaaat      300
aataacggga cctatgcctg tttagggntn taacttggnt actggccgca anaattccat      360
agtcaagagc atcacagnct ctgcatntgg aacttctcct ggctntcaga cctgn          415

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<210> 436
<211> 152
<212> DNA
<213> Homo sapien

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<400> 436
ccaggattga caggccatcc attcacagcc aggagatgct gggccagtcc ctccaagagg      60
tctccgtcat ggcagtgatg aaaacctaac aggggtggccc cctgtgccag ctccaggtgac      120
tggagcccga gggcctgaca gggtcccaga ag              152

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<210> 437
<211> 174
<212> DNA
<213> Homo sapien

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<400> 437
ccagggtactg gcacatcatg ctctggatgg ggggtgggtgt gtcctgtaag cagagaaaca      60
ggaaattgtc gtagtcagta tcgagcagct gtggcctcgt tcgccaccgt atagttgatc      120
ttgaacttct ttggattctc agtcttctct ccaaggacct tcttctcaac acag          174

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<210> 438
<211> 485
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(485)
<223> n = A,T,C or G

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gagaagggat cgcttgggtgc ccagggccca ccaggagctc caggcccaact
 tggtattgct gggatcactg gaggacgggg tcttgcagga ccaccaggca tgccagggtcc
 taggggaagc cctggccctc aggggtgtcaa gggtgaaagt gggaaaccag gagctaacgg
 tctcagtggg gaacgtggnc cccctggacc ccagggtctt cctgggtctgg ctgggtncag
 ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc
 tatgtatgtg gaatccanaa ctcagtgagt gcaaaccgca gtgaccaggt caccctggat
 gtcctctatg ggccggacac ccccatcatt tccccccag actcgtctta cctttcgga
 gcaaacctca acctctctg ccactcggcc tctaaccat cccncanta ttcttggcgt
 atcaatggga taccgcagca acacacaaa gttctnttta tcgccaaaat cacgccaaat
 aataacggga cctatgcctg tttagggntn taacttggnt actggccgca anaattccat
 agtcaagagc atcacagnct ctgcatntgg aacttctcct ggctntcaga cctgn

<400> 438

<211> 317

<213> Homo sapien

<221> misc feature

<223> n = A, T, C or G

<400> 439

<211> 338

<213> Homo sapien

<221> misc feature

<223> n = A, T, C or G

<400> 440

<211> 505

<213> Homo sapien

$\langle 220 \rangle$

<221> misc_feature
 <222> (1)...(505)
 <223> n = A,T,C or G

<400> 441
 ccacacagan tcaccaagcc acagacttgt cttccacaag cacgttctta tcttagccac 60
 gaagtgacca agccacacgt actaaagggt gaactcaaag atatgtacag ggtattaaac 120
 aaataccaag gggaacagtt aacttcaata caaggctcgaa atcagcaaca agttctacaa 180
 tccagngctg atatcagata caagcttcaa ggacaatttc ttttcgaagg cttattccag 240
 tttcgngagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta 300
 acccatgcag caaatgctac ncatggtgcn gagtccggtt agaagcattt gcggtggacg 360
 atggaggggc ccgactcgtc ttactcctgc ttgctaatcc acnngngctg gaaggnggac 420
 agtgaggcca cggatggagc caccnatcca caccgagtnc ttgcgctctg ggggtgcgat 480
 natnttgatc ttcattggtgc tgggc 505

<210> 442
 <211> 386
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(386)
 <223> n = A,T,C or G

<400> 442
 cgccagggtga tacctccgcc ggtgaccag gggctctgcg acacaaggag tctgcatgtc 60
 taagtgtctag acatgtctag ctttgtggat acgoggactt tggtgctgct tgcagtaacc 120
 ttatgcctag caacatgcc aatctttacaa gaggaacccg taagaaaggg ccagccgga 180
 gatagaggac cacgtggaga aaggggtcca ccaggccccc caggcagaga tgggtgaagat 240
 ggtcccacag gccctcctgg tccacctggt cctcctggcc cccctggtct cgatgggaac 300
 tttgctgctc agtatgatgg aaaaggagg nggacttggc cctggaccaa tgggcttaat 360
 gggacctana ggccacctg gtgcag 386

<210> 443
 <211> 404
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n = A,T,C or G

<400> 443
 cctccctctc agagcttgcc ccagggactc tctggccctc aggggttcaat gtattctgac 60
 caaggccaag ctttctggg gctcaggga aatcacactt tgctaccga agctgtatcc 120
 cctcagatgc caggaaggcc gtgatcatct gactccaccc tctgagaca cattctctcc 180
 ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca 240
 ngatgcagcc tctgtgaaca ggtgcctgga ggctgggaaa tgacctgag agggcaggac 300
 acagcnaccg ngggcttaag gtgagggngg agagcaagnt tggcccaact tacaattcta 360
 gntcagagcc ancccctaac atggngggca tttattcatt tcgg 404

<210> 444

<211> 318
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(318)
 <223> n = A,T,C or G

<400> 444
 catgggctat agtgcgctat gttgatctgg tgttcattgct aagttccgca tcaatatngc 60
 gacttcttng gagtggggga ccaccangtt gcctaaggag gggatgaacct gcctacgttg 120
 gaaatagagc tgggtcaaac tcctgtgctc atcagtagta gaattgcacc tgtgaatagc 180
 caccgccctc cagcntgggc aacatagcaa gaccctgcct cttaagataa aaattggaaa 240
 acactggtan gaaaaaaagg ctgtttgggc taaanaagtc tggatngggg ataatgaca 300
 cnaancatc atgactnt 318

<210> 445
 <211> 418
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = A,T,C or G

<400> 445
 ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag 60
 cttcaattgc caatttgggtg gcctctaaag ctttactttt aggaacctct gcaggcgcat 120
 aggtgccaaa tcccaggaca ggcattgaagt gaccatcatt cagcttcaca cactgatatt 180
 tcgaatccat ttctgtcact agcctggctg gcaaattgtt ctttcttctt ccttcacagg 240
 ctataagagc aatgagctgg caacgcccct gagcacactg tctgctgntt aaccaatggc 300
 atgtgagagg agggacagag gcagtcttac acaagctgtg ataaaaattg catncagttc 360
 aaccagtttc ttacnttatt ctaatgngna ggaagtgtgn gaagagcaca aagtcaga 418

<210> 446
 <211> 361
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 446
 ctgtccaatn acaacaggac cctcactcta ctgagtgtca caaggaatga tgtaggacct 60
 tatgagtgtg gaatccanaa cgaattaant gttgaccaca gcgacctagt catcctgaat 120
 gtctcttatg gccagacga cccacacntt tccccctcat acacctatta ccgtccaggg 180
 gtgaacctca gentctctg ncatgcagcc tctaaccac ctgcacagta tcttggctg 240
 attgatggga acntccagna acacnacaca agagctctt atctccancn tnactganaa 300
 gaacagcgcg actctatncc ttccaggggg ggggggtggg gnntgnggac cttncggggc 360
 c 361

<210> 447
 <211> 321
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(321)
 <223> n = A,T,C or G

<400> 447
 ccagganant ggttccccaa aggggacctc acccgccccg agctctggag ccgctgacgc 60
 tcgcatccag gacatttgag atgggaatcc aaataggcta cttgnaaaag acgtgctgca 120
 ngcagccctg gagagactca tggagttcat tgtacattac tccatctacc gaggcagcgc 180
 atggcatgac tnaacggctt gnaacaaaca canaaattac caccacaaac attcaggaac 240
 caaatataat ctgctatggt cacaccacag acaatgcagg aagaggcttt ttattgctng 300
 ngtgngtttt caaatcatgt t 321

<210> 448
 <211> 325
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(325)
 <223> n = A,T,C or G

<400> 448
 ccagcttcaa ctttttagta tagaagatac aggatcacaa aaaggagact acgctttgca 60
 aacatagcat caaaaattcaa cttttctctt tgcagtttat ccatggngtc agcatacctt 120
 gcaagggaag ctacttacat caaataactt ttctatatac atttctctcat tgaccttttc 180
 tcaaagaata tcttggtttt gccgaacaaa cataatatag gngtctgcca gatccattcc 240
 tggtttctgt ngtgaaggaa aagcaggggg aacaaaataa tatcagggtc tcaatngtga 300
 nattattatt taatcatacc ctgan 325

<210> 449
 <211> 123
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(123)
 <223> n = A,T,C or G

<400> 449
 cattaatntt ggaagcgatg gtgtggatta catcagtgtt agggcatggt gtggatatta 60
 ttacattann attggaagcg atggtgtgga ttacatcagt gatagggcac ggtgtggata 120
 tta 123

<210> 450
 <211> 328

<212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(328)
 <223> n = A,T,C or G

<400> 450
 ctggcaattt tgagctgccg gttatacacc aaaatgttct gttcagtacc tagctctgct 60
 cttttatatt gctttaaatt tttaaagaaa ttatattgca tggatgtggt tatttgtgca 120
 tattttttta caatgcccaa tctgtatgaa taatgtaaac ttcgattttt ttttaaaaaa 180
 attagatttt agctggagct tttgactaat gttaaagtaaa tgccaaacta ccgacttgat 240
 ngggatgttt ttgtaangtt aattttctaa gactttttca catccaaagt gatgctttgc 300
 tttgggtttt aactgtttca acntnggn 328

<210> 451
 <211> 209
 <212> DNA
 <213> Homo sapien

<400> 451
 ctgccttggt tcaacagaca tgcaaagatc ctaggagaca gtcccatag accttcagac 60
 attaaaaagg gagccgtaca gtttgtttga agcacttcgt cttaccatt tatgcagggg 120
 cccaggaaa cttacacaca gccagaatga gggtcccaa ggacttacat taattatggc 180
 tcttgcttcc tttcacaaat gagctgagg 209

<210> 452
 <211> 457
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(457)
 <223> n = A,T,C or G

<400> 452
 ctgtctantc ctttcaagag ctgtttatag aagcttgaga atggggtaaa aatttctgct 60
 agcaaaatca agttcttttt gaaattttat cagtaatcca gaatttagta gtccatgcct 120
 tctcactcag catttagaaa taaaaatgtg gtttcttaaa cgtatatcct ttcattgtata 180
 tttccacatt tttgtgcttg gatataagat gtatttcttg tagtgaagtt gttttgtaat 240
 ctactttgta tacattctaa ttatattatt tttctatgta ttttaaatgn atatggctgt 300
 ttaatctttg aagcattttg ggcttaagat tgccagcacc acacatcaga tgcagtcatt 360
 gttgctatca gtgtggaatc tgatagagtc tngactccgg ccacttggag ttgtgnactc 420
 caaagctaag gacagtgatg aggaagatgg catgtgg 457

<210> 453
 <211> 277
 <212> DNA
 <213> Homo sapien

<400> 453
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60

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agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgactacga gggcgtgatc atgaaagggtg 240
ataagctctt ctatgatagg ggaagtagcg tcttgta 277

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<210> 454
<211> 198
<212> DNA
<213> Homo sapien

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<400> 454
gttaaaagat agtaggggga tgatgctaata aatcaggctg tgggtggttg tgttgattca 60
aattatgtgt tttttggaga gtcattgtcag tggtagtaat ataattgttg ggacgattag 120
tttttagcatt ggagtagggt taggttatgt acgtagtcta ggccatatgt gttggagatt 180
gagactagta gggctagg 198

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<210> 455
<211> 608
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

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<400> 455
ctgagcaagc taaggaccag gggcaactag accctaataa tngtacttt tgaaaatgat 60
acaaactacc ttggttgtaa gaagtgcagg ttgaacactt taggagaaca gtcttcaaac 120
tggcaattca aaatttccca ttatatgtga ataaaatttg aaggatgtta aatgtccatg 180
gaaagtact cttgtaagtt aggatgcctt atactgaggc tttanaatga aagtacactt 240
cacaaatgga atagtgaaca taaattacca gaagtcaaga taatagtcac actagtaagg 300
taagcaaggt aaattccctt atacacaaaa attattttga tgaccttttt caataatgaa 360
tctgaaatga agtgttttaa aaagctccct aaacacaaaa cgaacataaa actgcttaat 420
aactttagag ctcatgtaat attcttgctg aaaacagtta ctgaaattac cagcgaaatg 480
atggaatatc tttaaagcag gncactcngt ataactctgga ataatttcac ttgctaactt 540
ttaagaagta ttctctggac tataaatcnt gggcaaatag acttccactt tattattacc 600
ccaaatta 608

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<210> 456
<211> 467
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(467)
<223> n = A,T,C or G

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<400> 456
cctggacctg tgtaaactt caaacactct tttttacatt aggtcgtgaa gttaaatttt 60
ttactgtttc tgtgctacag actcttcaaa gggaaatagt taagtcaatt tcaaagaaaa 120
tgaccagcac atttttaaaa cattagaaat gatttgactt tgactatcta ctgccaaaaa 180
aagggttaagg aatttgtaat gagaagctaa aaactttaag gaattttaag gaactcaaaa 240

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120 180 240 300 360 420 480 540 600 608

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caaaaactca tttaatgtaa ttaaagtga ttctacaaat aaagcctctt aatacatttc 300
tataatagtc acttaagact taaattcaaa cactagcaaa ccacaaaatc agactgtntg 360
actgacatcc aaaagataaa tataaatcaa aatccgaccc cagcattagc caaggggtag 420
gtgttctctt tgaggaaggc aggaattcct cttctgccac ctgttg 467

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<210> 457
<211> 183
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(183)
<223> n = A,T,C or G

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<400> 457
ccaaattttt tacttttaac actgaaaaca gaggaagtta ataaaaattt taacctataa 60
agtccctctg ttgttagtca ttaacagcag attgtcagat aagactggta aaatgatggc 120
tgctaagcat ttgatgatcc aggcgcagga tgatcaact gcagcagatc atgcacgtga 180
cag 183

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<210> 458
<211> 445
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

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<400> 458
gaaaaatata aagccaaaaa ttggataaaa tagcactgaa aaaatgagga aattattggt 60
aaccaattta ttttaaaagc ccatcaattt aatttctggt ggtgcagaag ttagaaggta 120
aagcttgaga agatgagggt gtttacgtag accagaacca atttagaaga atacttgaag 180
ctagaagggg aagttgggta aaaatcacat caaaaagcta ctaaaaggac tgggtgtaatt 240
taaaaaaac taaggcagaa ggtttttgga agagttagaa gaatttgga ggccttaaatt 300
atagtagctt agtttgaaaa atgngaagga ctttcgtaac ggaagtaatt caagatcaag 360
agtaattacc ancttaattg ttttggcntt ggactntgag ttaagattat tttttaaatc 420
ctgaggacta ncattaatgg gacag 445

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<210> 459
<211> 426
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

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<400> 459
cctatgatan cttctctagc tatcactc caatcagcaa aaaatgagaa aatgttgaga 60
aatagaagat aattcctcat ttaaggccac cttctagaat ttgtgcttaa gattctgctt 120

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[illegible]

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<220>
<221> misc_feature
<222> (1) ... (348)
<223> n = A,T,C or G
```

<400> 460						
ccaaatttta	aaatgttatt	tttcatatca	tttataacct	tgtcacaaatc	cacttaaaga	60
agtttggtta	tatttcactg	aaaattttct	tccagagtag	gttttttttc	gtgggttggg	120
gggtaacttt	actacaatta	gtaagnttgg	tgcagaattt	catgcaaatg	aggagtgcag	180
cagngtgata	attttaaacat	atntaaacaa	aaacaaaaaa	aatgaatgca	caaaacttgc	240
gctgcttaga	tcactgcage	ttctaggacc	cggtttcttt	tactgatnta	aaancaaaac	300
aaaaaaaaanta	annacnttgt	gcctgaaatg	aancttgttt	ttttntna		348

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<210> 461
<211> 378
<212> DNA
<213> Homo sapien
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<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G
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<400>	461						
ccactaagac	agaacggaat	ctagtagaag	tgcaccaatg	cttcagtccc	tcctactcag		60
catggtgagc	agtgggtcaat	ctgtgccctg	tggaatgatg	ggcagataat	tctggcatgt		120
gtaaataata	ataaataatt	cacttggtgc	aggcagtatg	tctatgaatt	aaaacctagt		180
gtgtacacag	tgcctacatg	tgttacagcc	ccacagttagg	aatctacacc	aaaatattta		240
ttagaaggaa	tttgggtccg	actacatcac	gctttccgga	gggtaaaaaaa	taaagtccat		300
ctatagacat	ttcaccacag	accagagac	tgagtctggc	taaaacctgc	aaaatgtcta		360
taacaaaaagn	ggatggct						378

```
<210> 462
<211> 197
<212> DNA
<213> Homo sapien
```

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<220>
<221> misc_feature
<222> (1)...(197)
<223> n = A,T,C or G
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<400> 462
gcgagggtcca cactattaaa agctgttggg taattgaagg tgatataaaa tgactgtcnt 60
catttgaggt gngcagcaca nttacttcat gttgctcang tttanaacaa tntcccctgn 120
aagttctcac acagatnggn agaaatcata cctantnttg gtnaatcact atggcagccg 180
tngaagaatn taagaga 197

<210> 463
<211> 279
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(279)
<223> n = A,T,C or G

<400> 463
cataagtgat gangaggnaa aatcantnaa taagcctaca acntagaata cattaaaact 60
tgcacatata catgttcaca gcatgtatac aatgataatc cctacggttt aaccaagtta 120
tggttcctt ctacagcaga cacaaaacca aggtgaacta ggtnggcaga tgtanaggga 180
ataccaaaaa aagggtaatn ngntcactga ttctgaagna tntgactgan catactgagc 240
ttctgnactt tgggaatgca tnnaggnaac aatatcttg 279

<210> 464
<211> 552
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = A,T,C or G

<400> 464
gatgggttga taggtgcagc aaaccaccct ggcgcagtgt taccaatgta acaaacctgc 60
acatcctgca cagggtactcc aaaactaaaa gtaaaaaaat ctaaaagaaa aaagaaaaag 120
aattaaaccc aaaatcactt ccccatctgg acttgattta gatgaaaagc ttctggactt 180
tgagctgatg ctatagtggg ttgaaaattt tggggctctc agaaggggat gaggatatat 240
tgcatgagag agcaacatga atcatngaga gccagagtat agagagnggt gggtagactg 300
taggagagcc ctcaatgatc ccggtgtgt tgtattcgcg ttgcacttac ttgtataata 360
tggcagatgg gatgtgatgt cactttcaag attangttat aaatagacta tggcttcaat 420
cagagggttt tcttctctgt ctanctctct tttgggtagn ttcatcttga gagaaagcca 480
nacctcngcc gcnaccacag ctaaggggag anttccagcn cactggcggc cngttactag 540
tggatccgng ct 552

<210> 465
<211> 444
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 465

```

ccactcttgg tagaaacctt gaaactttca ccttgctggg ctttagcaaa gtttcctttt    60
acagttctgt ttatgagctt cagctactga taaagcactt cctgaacttc tctattatca    120
tagngacctt ctgaataacc tgagtgactg gctcggcaat tcgctttata accattctta    180
ttcccaaagt tggagcacat aaacatttag atgtcttttc ctgtaaaata ttctagacat    240
ttacccaaac tctagttcaa catatactca acttgcactg tatactctcc tgcttttttg    300
agacagagaa gaaattcagg aggtgnccca tctccagagt ttctctgttg gaaagcagcn    360
atcaagaanc ctttaaaaaa ttggtgtnaa gcntngccnc ctgcagaaat gcntngcccc    420
acattattct tctggggnaa agna                                           444

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<210> 466

<211> 381

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (381)

<223> n = A,T,C or G

<400> 466

```

cctactatgg gtgttaattt tttactctct ctacaagggt ttttcctagt gtccaaagag    60
ctgttcctct ttggactaac agttaaatat acaaggggat ttagagggtt ctgtgggcaa    120
atttaaagtt gaactaagat tctatcttgg acaaccagct atcaccaggc tcggtaggtt    180
tgtcgctctt acctataaat cttcccacta ttttctaca tagacgggtg tgctctttta    240
gctgttctta ggtagctcgt ctggnttcgg gggctcttagc tttggctctc cttgcaaagt    300
tatttctagt taattcatta tgcannaggt ataggggnta gtccttgcta tattatgctt    360
ggttataatt tttcatcttt c                                           381

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<210> 467

<211> 95

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (95)

<223> n = A,T,C or G

<400> 467

```

cctatanatt ntggnttgta tactgggtcc tgaaaacctt cttggngctc tgtttttaag    60
gagctgaanc caangancgc caataataat acttt                                     95

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<210> 468

<211> 224

<212> DNA

<213> Homo sapien

<400> 468

```

cagtgggtct ctgatgcctt gcctgcagca gaaggaggga gcagagatca agaggaagga    60
aaaaatcata tgtacttatt tgaaggtaaa gattattcta aagagcccag taaggaagac    120
agaaaatcat ttgaacaact ggtaaacctt cagaaaaccc ttttggagaa agctagtcaa    180
gagggccgat cactccgaaa taaaggcagt gttctcatcc cagg                                           224

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<210> 469
 <211> 416
 <212> DNA
 <213> Homo sapien

<400> 469
 ctgagttcta gttcaaaagc tttatcctta acttcgtcat gtactatgta aattctagaa 60
 tagaaaaggg aaaggtaaga ttttggtaac ctccaaacat tgaagtagtt cacagacca 120
 aagtcagtac aaattagaat gtccatccat aataaaagta tctataaaat tacacagaca 180
 cattctacat agtattttaac attagagaag acaaattaca cagggactga aataaaatga 240
 aacatctact ctcccagaca atgttgaata tacctaatac acccaagttc agttttat 300
 tgcacattgc ttttagagata taacttggct gggcacagt gctcacacct gtaatcccaa 360
 cactttggga gaccaaggcg gatggatcac ttgaggtcag ttcgagacta gcctgg 416

<210> 470
 <211> 376
 <212> DNA
 <213> Homo sapien

<400> 470
 caccttttaa ctgtatcaca aagtctgttg ctgtgggttac agcctttgtt tccagtgatg 60
 ttttgtccat gctttccccc aacccttaac aatggttact caaaagaatg aaataatgag 120
 tcattcattc gggaatatgt taaaatatcc ctctttatca ttacatttca ctgcttagaa 180
 actaggctgt aattcaaggc aacagtttaag tctgagaact gttaaaaaaa tctttgattt 240
 tttttcattt ttaagaaaaa cctgcctatt taattgttca gacttgtaag aggttcttca 300
 attacatcct ttttggttaa tgtattat 360
 aagcataata aaaatc 376

<210> 471
 <211> 357
 <212> DNA
 <213> Homo sapien

<400> 471
 ggcttcgtat aatggttctt ttgtcacccc tgatcgacga tttcgctacc cgtacaactc 60
 tgacaaggga acgaaatgct tctgtgtatt cacctagtgg tctgtgaac agaagaacaa 120
 caactccacc ggatagtgga gtactgtttg aagggttagg catttcaaca agacctagag 180
 atgttgaaat tcctcagttt atgagacaga ttgcagtaag gaggccaaact acggcagatg 240
 aaagatcttt gcggaaaatt caagaacaag atattattaa ttttagacga actctttacc 300
 gtgctgggtgc tcgagttaga aatattgaag atggtggccg ctacagggat atttcag 357

<210> 472
 <211> 557
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(557)
 <223> n = A,T,C or G

<400> 472
 cngagatgac atttacaatc tcttgaaang cagcagatgg cactctggtg cttcctatga 60

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agcaacatgc ttgaaatcaa gggccaacaa ttgttgtagg aaagcaaaat atacctctaa 120
cacctacgtt taccaaaaaa gctgacatct caaactctga gttgttgaga ctcaaatttc 180
tcatcccca aagaagcctat tacggtagtg tgntggatgc tttttgtatc tctgataggc 240
aggcactata atggggggaa atacttctga ataaaaacat tggctgtctt gcaactgtgc 300
atataatgtc tattcaaggg ggcagtgtgc ctagcatgat cctgaaatgt tgagataaaa 360
ggaagtgtgc attaaagcac tatttgtctt atatgaaaag agtgactcta tcttccagta 420
aacaagantt cctgcaatga aaaagaaatt ttttccttca ttatctataa actatacaaa 480
ataaccttcc tttttaacct aagactcaaa cattnatatt tgattttatt ctatttgata 540
ccaattggta tgtccag 557

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<210> 473
<211> 264
<212> DNA
<213> Homo sapien

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<400> 473
cctccatcaa cagaaaggat aaagaccctt tcgggtctcc tcattaattc tgaactggaa 60
aagccccaga aagtccggaa agacaaggaa ggaacacctc cacttacaaa agaagataag 120
acagttgtca gacaaagccc tcgaaggatt aagccagtta ggattattcc ttcttcaaaa 180
aggacagatg caaccattgc taagcaactc ttacagaggg caaaaaaggg ggctcaaaaag 240
aaaattgaaa aagaagcagc tcag 264

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<210> 474
<211> 165
<212> DNA
<213> Homo sapien

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<400> 474
aattcagctt ccagaggccc ttattagtcc ttgttgacag aaacatagat ttggcaactc 60
ctttacatca tacttggaca tatcaagcat tgggtgcacga tgtactggat ttccatttaa 120
acagggttaa tttggaagaa tcttcaggag tggaaaactc tccag 165

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<210> 475
<211> 417
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(417)
<223> n = A,T,C or G

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<400> 475
aagttctctt cttgttttaa acacattcct gataacttct aaagatgacc aaaataaaaac 60
agaatatcta cagagatcat tttctgaatt tttgtacat ccaaggataa caacataaaa 120
aaaaataaac tggacagcat tccacatcca agtgcacaga accatttttg caagattaaa 180
taatgtaaac attgggaaca gccaaatcag cgaagaatgc caacacctca aaacacctgg 240
tgttgccgct tcattaagtg gttcaaaaatc cagatctata attgcgcaat attcacgta 300
tataaaaaga aatggatatt aattttgaca aatagctgca actgagactt cttttttatt 360
ctttatatgn gnatatagtg aattttttatt atttttaaaa ttttttttat tttttta 417

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<210> 476
<211> 321
<212> DNA

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<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(321)

<223> n = A,T,C or G

<400> 476

catttaataa	caaaaacaac	ctgtacggaa	aaccnaagg	caaccacata	gcatatgtaa	60
aatgtgcaaa	tacactttta	aatgcangtt	attctatagc	anttgaaga	tagaatttca	120
ctgtaattag	ggaatctagc	tcateccta	ttaatagnct	tttgcattgn	tagacaatgc	180
aattctacaa	ggnacnactc	agcgttgatg	ctaaagtatg	aaacacatcc	tcagattatt	240
catccgaaaa	tattaaaata	gcntcatggt	ttattattct	ttaatgagtc	ntgagctcat	300
ttctaaagct	tcataaagca	t				321

<210> 477

<211> 546

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(546)

<223> n = A,T,C or G

<400> 477

gctgtgggta	tattgtaa	gaagcatcta	acatgtgcac	aacttgcaac	aaaaactcct	60
tggactttta	atctgtcttt	ctcagtttcc	atgtgctgat	tgatctgact	gatcacacag	120
gcacccttca	ttcctgtagt	ctcacaggaa	gtgttgctga	ggagactttg	ggctgcacgg	180
tacatgagtt	tcttgcaatg	acaaatgaac	agaaaacagc	attaaagtgg	caattcctct	240
tggaaagaag	caaaattttat	ttaaaattcg	ttctatcaca	cagagcaagg	agtggattga	300
aaattagtgt	actctcgtgc	aagcttgcag	atcctactga	ggcaagcaga	aacttgtctg	360
gacaaagaca	tgtttaaaac	gggtctatcat	tttgaaactct	ggaaaagtat	aagagtttta	420
actcccttta	aaatggaata	ttaatttgaa	aattatgggg	aaaattgcat	tttgtttaca	480
tgtgggtgaac	atgtttctag	aaattggtat	ggcgggaagg	gggctgggtg	agtctgaagg	540
acctcn						546

<210> 478

<211> 100

<212> DNA

<213> Homo sapien

<400> 478

aagaaaagtg	gtaaaatcaa	gtcttcttac	aagagggagt	gtataaacct	tggttgatgat	60
ggtgactttg	attttgctgg	acctgcaatc	catgggtcag			100

<210> 479

<211> 508

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(508)

<223> n = A,T,C or G

<400> 479

gnnttccaaa	ttcttctaac	tcttccaaaa	gccttctgcc	ttagtttttt	ttaaattaca	60
ccagtccttt	tagtagcttt	ttgatgtgat	ttttaaccaa	cttccccttc	tagcttcaag	120
tattcttcta	aattggctct	ggctctacgta	aacaccctca	tcttctcaag	ctttaccttc	180
taacttctgc	accaccagaa	attaaattga	tgggctttta	aaataaattg	gttaccaata	240
atttcctcat	tttttcagtg	ctattttatc	caatttttgg	ctttatattt	ttctatcttc	300
tatacttctc	caatacttgt	cttagcttgt	ttttcatttt	ctatctgaaa	ctcttgacaa	360
tatcttctaa	tttccctatc	ttctctattc	ttttcttcgc	cttcccgtac	ttctgcttcc	420
agntttccac	ttcaaaacttc	tatcttctcc	aaattgttca	tcctaccact	cccaataatc	480
tttccatttt	cgtgtagcac	ctggnccag				508

<210> 480

<211> 81

<212> DNA

<213> Homo sapien

<400> 480

ggtgcccttt	tcctaact	cacaacaaaa	ctaactaata	ctaactctc	agacgctcag	60
gaaatagata	aggaaaatga	c				81

<210> 481

<211> 306

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(306)

<223> n = A,T,C or G

<400> 481

tcgccttcgg	ccgccgggca	ggttaggggn	acaagacgct	acttccccta	tcatagaaga	60
gcttatcacc	tttcatgac	acgccctcat	agtcattttc	cttatctgct	tcctagtcct	120
gtatgccctt	ttcctaacac	tcacaacaaa	actaactaat	actaacatct	cagacgctca	180
gggaatagaa	accgtctgaa	ctatcttgcc	cgccatcatc	ctagtcctca	tcgcctccc	240
atccctacgc	atcctttaca	taacagacga	ggtcaacgat	ccctccccta	ccatcaaatc	300
aattgg						306

<210> 482

<211> 582

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(582)

<223> n = A,T,C or G

<400> 482

ggggggaaca	gtcattatac	attatttaga	ctcattcctt	cttccagtgc	ccttatgatt	60
atttcctacc	tttaccattg	atcttaaaact	gnccaggcta	aaaagaggaa	ccagaactcc	120
cttaagcact	tttaagacta	tttaaaaaat	aaagntttgt	tggcattgaa	gagtaagctg	180

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cttaagggac tgaatgaaaa gatagtaccc tttgtggctg tatgaagaga gaaactgaat      240
ttctatccaa gagaccttaa tntagcctat tagggaatta tcttcccaaa aagtacaagt      300
aattttgcac tgcaggagaa ggataagtag atttgattta catcacattt tatacacacc      360
tttcaagang gagaaatctg cttcataaat agnaggaatc tatgcttaaa ctnaacattt      420
aatggtgaen tcttacaaca gccttgaaaa nnattggaan tcngacntga nggnggaaac      480
tggaanaaag aatatctttc tcttctgcat cctttnatcc tcaaacttag catggattca      540
cacgtcgagg aaangttngg tnacnaccng aacatttaga ta                          582

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<210> 483
<211> 275
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

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<400> 483
gcctcactaa aataacagat ttcagtatag ccaagttcat cagaaagacc caaatggaat      60
gatttacaaa atagaacact ttaaaccagg tcagtcctat ctttttgtag ctgaaggcta      120
tcagtcataa cacaatttcg cgtacacctc tgctcattat ggaattacac ttaaaacgaa      180
tctcaagagg gtgaccattg ttgtttcaga taccatccct aaggagagtg gttaacagga      240
agattgccag ngttactgat ggaaagaagc gcttg                          275

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<210> 484
<211> 434
<212> DNA
<213> Homo sapien

```

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<400> 484
catatttcca caggccaatt tctttctggt tttctgctaa gctatttcag catttttagct      60
tttcctcttt gctttgttta ctcatgattg ccagatggct acgttacctc taagcatcag      120
atcctcacaa attaatgggt aaatgtaagg gagggatttt actctcttgc attaaaaaaaa      180
agctttattg agatataatt tactgtaaca ttgactcatt taaagtatgc tagtcaatag      240
accaaactct gaataaaact ccattcacaa ttgctacaaa gggaataaaa tagctgggaa      300
tatagctaac aagggaagtg aagggcctct tcaaggagaa ctacaaacca ctgctcaaga      360
aataagagag gatacaaaca aatggaaaaa cattccatgc tcatgaatag gaagaatcaa      420
tatcgtgaaa atgg                          434

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<210> 485
<211> 291
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

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<400> 485
ncaccactgc agccctacat acagttgaaa aaaaattcca ttctgttaac atttgtttta      60
taagttttca cgcaatacac aaaaaacccc tctgcacttc ttgtaaagaa caaaaaagat      120
acacaacagt taagcgtaaa gatcacaggc aatagcattc aaacatggat gtgggtagag      180

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163

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aaaggagtag ctggcatgag tacctgctta gtttgactga atccttgatt tttaatttgg 240
cttttcatgg gccgctcaca acaccaacgc tgtgtgaggt atggtagtca g 291

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```

<210> 486
<211> 274
<212> DNA
<213> Homo sapien

```

```

<400> 486
ctgtaatat gtagttgctc cagaatgtca agggcagctt acggagatgt cactggagca 60
gcacgctcag agacagtga ctagcatttg aatacacaag tccaagtcta ctgtgttgct 120
aggggtgcag aaccggtttc tttgtatgag agaggtcaaa gggtttggtt cctgggagaa 180
attagttttg cattaaagta ggagtagtgc atgttttctt ctgttatccc cctgattggt 240
ctgtaactag ttgctctcat tttaatttca ctgg 274

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<210> 487
<211> 184
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(184)
<223> n = A,T,C or G

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<400> 487
tggcaccaag attctcagct cacggtacca gcctctgatt gtcggactac ctgctgcttt 60
ccctgatatt tatacatgat attcgnaaaa tgtaaagaag ctattattca tacagacatc 120
tagagaagga gngaagnttt taaaaaaata aaaaaatact tatttcaagc tttagctgtg 180
ttct 184

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<210> 488
<211> 393
<212> DNA
<213> Homo sapien

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<400> 488
ctgcattttt attgcatct gcagatgaac tggaaaatct cattttacaa cagaactggg 60
acagacgacc accatattca ctgaggtcta aatttgcagt ttccactaat gacattttga 120
tttcccaaca gagatacttc tggcttact gcacagtctt ttaagagaaa tacttccatt 180
atgccacatt gtccttgatc cgtaagtgat gtgttaaggt gcttcaaagg aactctgacc 240
tctgaagtac ttgagctact ttagtatgtc cagcctattg ctttttggtt tagtgtgtca 300
ccataaatat caggggcata aaaggctatc tattcttaat tcaaggataa aacagaagaa 360
gcttggtgta taaaacaata gttcaagatc cag 393

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<210> 489
<211> 607
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(607)
<223> n = A,T,C or G

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<223> n = A,T,C or G
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<400> 492

<210> 493

<212> DNA

$\langle 220 \rangle$

<222> (1) ... (207)

<400> 493

<210> 494

<211> 283

<212> DNA

$\langle 220 \rangle$

$\langle 222 \rangle \quad (1) \dots (283)$

<400> 494

<210> 495

<211> 590

<212> DNA

<213> Homo sapien

<220>

<400> 495

<210> 496

<211> 307

<212> DNA

<213> Homo sapien

<220>

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<221> misc_feature
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 $\langle 222 \rangle \quad (1) \dots (307)$

<223> n = A, T, C or G

<400> 496

ggagattagt	atagagaggn	anacnttttt	tcgngatatt	tggtcacatg	gataagtggc	60
tctggccttg	catgattgtg	aggggtagga	gccaggtagt	tagtattagg	aggggggnng	120
ttagggggtc	tgaggagaag	gttggggaac	agctnaatag	gttgttngnt	gatttggnnta	180
aaaaacanta	gggggatgat	nctaataatt	antgctgtgg	gtggttgtgn	tgattcaaatt	240
tatngngcttt	ttcggagann	catgtcangt	ggtagtaaatt	ataattgttg	ggaccatttan	300
ttcttan						307

<210> 497

<211> 216

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (216)$

$\langle 223 \rangle$ n = A, T, C or G

<400> 497

cattttctct	ttggtttctt	cagttaagtc	aaanngncac	gttcctcttt	ccccatatat	60
tcataatat	ttgctcgtta	gtgtatttct	tgagctgttt	tcatgttggt	tatttctctgt	120
ctgngaaatg	gtgttttttt	ttgttggtgn	tggttttttt	tttttttttt	aaactnggna	180
ccncnaantt	gaaaaaatgn	ttntttttcc	ctnaca			216

<210> 498

<211> 375

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(375)
 <223> n = A,T,C or G

<400> 498
 gaatttcctg gcaccttttc tcgctagaga agattnnngtg tgactggggtt gcctataagc 60
 catatagata caaactttta tctctaatac caagtcttag agggatatat taatagatct 120
 aataaattta ttcttagact tattgtttca tgggntagtg agtctttgct actggagaca 180
 atacagactt gtcagttttt ttaaaaaaaaa aaaatttgcc aagctancac attaaaaana 240
 tntcctaagg cnttcatttt atgaggatga ttataaacnt ttntgngata aatatcacca 300
 taataaactg ttaagtacaa ctgcnggccn cccttanagn gaattcctnc agttanaaat 360
 ttattttttt gccaa 375

<210> 499
 <211> 215
 <212> DNA
 <213> Homo sapien

<220>
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 <222> (1)...(215)
 <223> n = A,T,C or G

<400> 499
 ccacnaaagc agaagcttaa agcatagtag taaagagggn aaaaagaagg acgaaaataa 60
 atcagatgac aaggatggta aagaagttga cagtagtcat gaaaaggcca gaggtaatag 120
 ttcactcatg gaaaagaaat taagtagaag gttgtgcgaa aatcggagag gaagcttgctc 180
 acaaaaaaaaa aaaaaaaaaa aaaaaaaaaat gtttt 215

<210> 500
 <211> 489
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(489)
 <223> n = A,T,C or G

<400> 500
 ccactacgat aagcaggtag ctgggttttg tagtgagntt gctccttaag ttacaggaac 60
 tctccttata atagacactt cattttccta gtccatccct catgaaaaat gactgaccac 120
 tgctggggcag caggagggat gatgaccaac taattcccaa accccagtct cattgggtacc 180
 agccttgggg aaccacctac acttgagcca caattggttt tgaagtgcac ttacaaggnt 240
 tgtctacttt cagttcttta ctttttacat gctgacacat acatacactg cctaaataga 300
 tctctttcag aaacaatcct cagataacgc atagcaaaat ggagatggag acatgatttc 360
 tcatgcaaca gcttctctaa ttatacctta gaaatgttct cttttttatc atcaaatctg 420
 ctcaagaagg gctttttata gtagaataat atcagtggat gaaaacagct taacatttta 480
 ccatgctta 489

<210> 501
 <211> 286

<212> DNA

<213> Homo sapien

<400> 501

aaaaacactc aaacacagcc ttggagggag gagtcagttt taaaagactc ttataaaagt	60
aatatactgc tagctctgaa gaatcggagg ctaaaatcat ctcttcaagt cccaggggaa	120
tcccaaagaa ctccagggga aggtgggatg ggccagagag ctctggaagc ttccaggtct	180
gttgcaagcc tcacctggtg cacagtaggc tcttccaggt ctgtcaggaa cccaggagcc	240
tcccctagca cacagtaggc tcacaaaaag ggagcactgc tgctgg	286

<210> 502

<211> 168

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (168)

<223> n = A,T,C or G

<400> 502

cctatgattg tgggggcaat gaatgaagcg aacagagntt cgttcatttt ggttctcaga	60
gtttgttata attttttatt tttatgggct ttgggtgaggg aggtaagtgg tagtttgtgt	120
ttaatatatt tagttgggtg atgaggaata gtgtaaggag tatggggg	168

<210> 503

<211> 173

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (173)

<223> n = A,T,C or G

<400> 503

cctttataat aaattaggca aaaggttcag tgcnnnggcta tantggacaa catgaaactc	60
cataaaaatg actggatagg gggactgctt gagacttttc ttttgggcat tactaacaga	120
attcaaagaa attccaacca cgcttatatt tccaaattct actgaaatga gag	173

<210> 504

<211> 310

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (310)

<223> n = A,T,C or G

<400> 504

tagtattcta tttaaaaatt aagttttggg gtctgtaaaa tatacaggac aatgactttt	60
ttaaaatgta agttaatacc tcctcctcac ttgtcttaat tgaacttagg tgtttattct	120
taaaggngga ctttgatgaa aatgttgaga tgggaagtgt tattaggcaa aacttggtat	180

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agattttctca tataactctt aattgaccct tagaatttta acaaccgcgc ctggcccaat 240
agactgtttt ttagagtant tttaggctct cancaaaatt gaggggaaaa tacagggtgt 300
tcccattaa                                     310

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<210> 505
<211> 530
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

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<400> 505
cctcaggga cttacaatta tggcaaaagg ggaaggggaa gcaagcacct tcttcacaag 60
gcatcaggag agagagagaa agagagtagg ggaaactacc ccttttaaac catcatatcc 120
tgtgagaact ccctcagtat tagaagagca tgagggaac cgctccata atccaatcac 180
ctcccaccag gaccatccct caatacatgg gggttacaat tcaagatgag gttcgggtgg 240
ggatacagat ttaaaccata tcagaatggt taatgatatt gttgtatatt accaactata 300
atcttcttag tgttatagta caataatgta aaaaattgag taaatttggt ttctatatta 360
ttctgttttt ggaaaacatg tatatagtca gggctgtttg tctcaagaaa atatggtaaa 420
ctctgctggt ttggtcactg gtgcctagaa tttggggatg tacattggtt ttgattcaca 480
tgcacatttc cttctagttc acagtaacta tttctaacta tttcccnata 530

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<210> 506
<211> 352
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

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<400> 506
cttgaacgct ttcttaattg gtggctgctt ttaggcggtg ctatgggtgn taaatttttt 60
actctctcta caagggtttt tcctagtgtc caaagagctg ttcctctttg gactaacagt 120
taaatttaca aggggattta gaggggtctg tgggcaaat taaagttgaa ctaanattct 180
atcttgga accagctatc accaggctcg gtaggtttgt cgctctacc tataaatctt 240
cccactattt tgctacatag acgggtgtgc tcttttagct gttcttaggt agctcgtctg 300
gtttcggggg tcttagcttt ggctctcctt gcaaanntat ttctagttaa tt 352

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<210> 507
<211> 370
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

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<400> 507

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cctaactaga ttttatcaga atagggggga agggngtcgg ttcaccccta ttgagtgtta      60
atgaccctgt aagatgtaat ttcttttatt tcattctgtt acctagaaaa tctatcacag      120
ccttgtagta ttgattgctc aatctataaa gagctcagtt tacagcatga ctgttagtaa      180
cagggntatt ttaatgagtg actcttcaac acctcagagt ttcactaaat tccaacccat      240
cagcccgata gtctaacatt aagggtctta ggaaatgaga acttatcacc tttccttatc      300
atgaaaaggt aacctccagg taacccaaaa tagaacttcc tctgtgttcg ttttttatag      360
aaattactgg                                     370

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<210> 508
<211> 129
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(129)
<223> n = A,T,C or G

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<400> 508
ctgttaaaaag aacaaactta gcaatatata acagttnggt aacaggattt ttgactattc      60
actttgggag ttatttttaa aaatccactt ttttactgag tcttactaca taccaggcac      120
tgtacttgg                                     129

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<210> 509
<211> 422
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

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<400> 509
ntgggaagtc gtgacatcca tgggaaccca gcgctgtgat gctgggtgttt gngttctccg      60
cgagaagtga ccattgttgg agcaccatcc agagctagtg accantncag tggacagtta      120
gtgggagaat caaaaatcct ttccagaatg tctgtttctc actaontgca cgggngatt      180
acaggcacca gtgcagngat gattgtactt atttgacaca tactccccgt cntcctggnt      240
nttgttcctg anaanggtgg gtaaatattc caggaaaaan aatgcacatt gaatggatgt      300
gagagaccac attgcctctc ccactgcttt ggggagcact ttctgtcat ttctaactta      360
ccacntgctt ggtgtactat atgtatgttg tgcctcatat gttgcaaaga actaangtga      420
gt                                     422

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<210> 510
<211> 238
<212> DNA
<213> Homo sapien

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<400> 510
ccacctatga attggtgggt tacctactca atggatagca gcacgaggac tgctgtactg      60
cacaaaaaga agacccaaaag attacagtgg accatgggat acagaagcca gcatggcaga      120
cagaagaaaa atagtttggg aacatgtaac tatcctaagt ggaagttttg ttgtaggaat      180
tatagtaatc acaccacatt acttggcctt tcggtaatgt gaaaaaaaaa aaaaatcc      238

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123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

<210> 511
 <211> 254
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(254)
 <223> n = A,T,C or G

<400> 511
 ccnattgatt tgatggtaag ggagggatcg ttgnggctcg tctgttatgt aaaggatgcg 60
 tacggatggg agggcgatga ggactaggat gatggcgggc aggatagttc agacggtttc 120
 tatttcctga gcgtctgaga tgtagtatt agttagtttt gttgtaagng ttaggaaaag 180
 ggcatacagg actaggaagc acgataagga aaatgactat gagggcgnga tcatgaaagg 240
 tgataagctc ttct 254

<210> 512
 <211> 269
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(269)
 <223> n = A,T,C or G

<400> 512
 cctacctgta aactacagta ctttatatat ctatgggntt aataaaaaana aaatccacaa 60
 atcttaaaaa ggaactttaa atgcagggct atattgaatt ggnaaactgc aacacaaact 120
 ggcgcaacat aggtaaatga ataccaatct cactctatgt gatgcaagca tgctactttc 180
 ccactaattt aaattacttt caaccactat gagccagaat gcatgcctga accttaaact 240
 gcactttaaa aagtaacatc ttggcctaa 269

<210> 513
 <211> 266
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 513
 ggaggggggt tgtagggggg tcggaggaga aggntgggga acagctaaat aggttggtgt 60
 tgatttggtt aaaaaatant agggggatga tgctaataat taggctgtgg gtggttggtg 120
 tgattcaaat tatgtgnttt ttggagagnc atgncantgg tagtaatata attgttgaga 180
 cgattagttt tagcattgga gtaggttttag gttatgnacc gtactctagg ccatatgtgt 240
 tgganattga nactagtagg gctagg 266

<210> 514
 <211> 271
 <212> DNA

<223> n = A, T, C or G

acatgcaana	aatcgagaat	cttaaaaaaac	annacgaanc	tgccttgga	nnttactgg	60
nntangatat	ttatnttgcg	gctgagatac	ttgaacaact	tcggatcnga	antagacaan	120
aangggnant	tnataactgc	nncagaggtt	acacagntca	ttgtattaga	gangaacana	180
tgggtctggt	gttcacacat	tggggggaan	atgggcgtnn	acangagagg	nnganaaaacn	240
anganagcct	ncctggttng	cataanaaaa	a			271

<213> Homo sapien

<223> n = A, T, C or G

ccaatgaggg	gcaaaagtgag	cgncnagaag	angttttgac	tgaataaat	caaacacaaa	60
aatntaagtt	cacagtgaca	gtttaaaca	aatccaaaca	aactaacaac	anaaacaccc	120
cttgntttgc	ctctagtgga	aggtgggana	acacaanctc	gtcctaaaaa	ttgactagta	180
aaggggaaaa	cccggtcatt	tncctactct	ttccangaaa	tatctaattgc	aagaaagaac	240
ttctnctcat	tatacngaag	gaatttngaa	aaatgatgta	tttttggaac	acctaantga	300
aatactggaa	cctgggcaag	ttcaccac				328

<213> Homo sapien

<223> n = A, T, C or G

ncctnagttg	aaggacccca	tgtacataca	ggccagggga	gcagtactag	gntaactaga	60
aggatctcat	ccccatatgt	gggctcattt	caagtctatg	gatgactacc	ttcattgntg	120
tgtgcgagat	ggtttcaccc	cttgaaaata	tgggcacttc	ancataanat	agcnaaatct	180
ttataatgat	caatncatcc	tacctccttt	tacatgcatg			220

<213> Homo sapien

<400> 517

tgcgatttct	tccttgttgt	ttgctttggt	ctgtgttcaa	tccagagagc	ttaaattgtc	60
attattttgg	gaagaaaacc	tgtattttgg	ttagtttaca	atattatgaa	atttcacttc	120
aggagaaact	gctgggcttc	ctgtggcttt	gttttcttag	tttctttttc	cgtgccgtgt	180
atTTTTaat	tgatttttct	tcttttactt	gaaaagaaag	tgttttatTT	tcaaattctgg	240
tccatattta	cattctagtt	cagagccaag	ccttaaactg	tacagaattt	ccactg	296

<210> 518
 <211> 299
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (299)
 <223> n = A,T,C or G

gaagatagaa	aatataaag	ccaaaaattg	gataanatag	cactgaaaaa	atgaggaaat	60
tattggtaac	caatttatTT	taaaagcccg	tcaatttaat	ttctgggtgg	gcagaagtta	120
gaaggtaaag	cttgagaaga	tgagggtggt	tacgtagacc	agaaccaatt	tagaagaata	180
cttgaagcta	gaaggggaag	ttggttaaaa	atcacatcaa	aaagctacta	aaaggactgg	240
tgtaatttaa	aaaaaactaa	ggcagaaggc	ttttggaaga	gttagaagaa	tttggaagg	299

<210> 519
 <211> 464
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (464)
 <223> n = A,T,C or G

gctgcacatc	ggaggaaaac	tcggtaaagc	agaatgaggt	tgatatgttg	aatgtatttg	60
atTTtgaaaa	ggctgggaat	tcagaaccaa	atgaattaaa	aaatgaaagt	gaagtaacaa	120
ttcagcagga	acgtcaacaa	taccaaagg	ctttggatat	gttattgtcg	gcaccaaagg	180
atgagaacga	gatattccct	tcaccaactg	aatttttcat	gcctatttat	aaatcaaagc	240
attcagaagg	ggttataatt	caacaggtga	atgatgaaac	aaatcttgaa	acttcaactt	300
tggatgaaaa	tcattccagg	atttcataca	gtttaacaga	tcgggaaact	tctgtgaatg	360
tcattgaagg	tgatagtga	cctgaaaagg	ttgagatttc	aaatggatta	tgtggtctta	420
acacatcacc	ctcccaatct	gttcagttct	ccagngtcaa	aggc		464

<210> 520
 <211> 221
 <212> DNA
 <213> Homo sapien

ctgatatcta	cttatTTaac	acaagtctct	aatacaatac	aattttatta	atTTtattcc	60
acatgcccc	cattagatct	ctagactcat	tcattctaca	tacctacttt	gtatcccttg	120
acctacatct	ccctacttcc	tctccagtc	cccccccccc	accactgggt	gctaaccact	180
gtttcattcc	ctttttcatt	ctacatatgt	gagatcatgc	t		221

<210> 521
 <211> 312
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(312)
 <223> n = A,T,C or G

<400> 521
 ctgatagctt tctcttcgcc tagattaata tcttctnnct tcccattcac agccccacc 60
 gacatcaaag ctttgcgtgt ttatctgtca aaaatgtctt cacacttttc attcttaaatt 120
 aaaagtgtct agtaaggaca ttttcacaac aaatttttat tttacaaaac ttacaatgat 180
 ttgaatccaa aacaactttc attatttaac tgtaaagtaa atatataatt tattaggngt 240
 gtcttagttc attttgtgct gctttaacag tgtatccttg tgatagttgt ggggtggggg 300
 aggggggaag ga 312

<210> 522
 <211> 336
 <212> DNA
 <213> Homo sapien

<400> 522
 ccttctttcc ccactcaatt cttcctgcc tgttattaat taagatatct tcagcttgta 60
 gtcagaccca atcagaatca cagaaaaatc ctgcctaagg caaagaaata taagacaaga 120
 ctatgataatc aatgaatgtg ggtaagtaa tagatttcca gctaaattgg tctaaaaaag 180
 aatattaagt gtggacagac ctatttcaaa ggagcttaat tgatctcact tgttttagtt 240
 ctgatccagg gagatcccc ctctaattat ttctgaactt ggtaataaaa agtttataag 300
 atttttatga agcagccact gtatgatatt ttttaag 336

<210> 523
 <211> 172
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(172)
 <223> n = A,T,C or G

<400> 523
 ngacnggcnc ntggctatgt ntatagatag ggctttaacc actatctgng aagcangagn 60
 gacannattc ttgctctcac atnccacngg anacgtatct ctcttctctt acnagcgaag 120
 aaccatctnt ttctaaagcc cccattctat tgcccttgct tttctctggc tt 172

<210> 524
 <211> 471
 <212> DNA
 <213> Homo sapien

<400> 524
 ccagacctgc agaaaaactt agcacagctc aatctgctgt tttgatggct acagggttta 60
 tttggctcaag atactcactt gtaactattc caaaaaattg gagtctgttt gctgttaatt 120

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tctttgtggg ggcagcagga gcctctcagc tttttcgtat ttggagatat aaccaagaac 180
taaaagctaa agcacacaaa taaaagagtt cctgatcacc tgaacaatct agatgtggac 240
aaaaccattg ggacctagtt tattatttgg ttattgataa agcaaagcta actgtgtggt 300
tagaaggcac tgtaactggg agctagttct tgattcaata agaaaaatgc agcaaacttt 360
taataacagt ctctctacat gacttaagga acttatctat ggatattagt aacatttttc 420
taccatttgt ccgtaataaa ccatacttgc tcaaaaaaaaa aaaaaaacctt c 471

```

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<210> 525
<211> 332
<212> DNA
<213> Homo sapien

```

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<220>
<221> misc_feature
<222> (1) ... (332)
<223> n = A,T,C or G

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<400> 525
ccccnctgta ttccagcctg ggtgacccca tctcanggaa gaaaagttac cagatgtcgn 60
gggtaaagggt tgggtcttcaa gtggcctcat aagttgtctt gcattttaa tccaggaatt 120
cattggacca ataggttaca ttttcgttcc ttttttgttt tggttcatct gttaagcagt 180
gggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg 240
ttcaaactgg ttgttgatgg gtaataaggg ctgtttttgc tgccccaataa gggcttaaca 300
atttaggcgg atagtttact taaaaaaaaa aa 332

```

```

<210> 526
<211> 440
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (440)
<223> n = A,T,C or G

```

```

<400> 526
ccaggttacc tcccctaaca gatgtgggtg tctgangggg tggttaagtg cccgaggaaa 60
ataggcctta actgttaaca tctacagaga agaaagcatg gtcacactgg caaggagtaa 120
gaagggattg ggtaaaagaa aatgggagag aaaagggaaa aaagtttttg caagacaatt 180
gttccctgct aagaagctgc aggggtgaaag ctttcctttc ttctattttt gtttttaatg 240
nctgtctctc tgatcagngg aaaagtgaag atttctagta tctagcacta acgtatgacc 300
caactttgag ggatcacaag ctagaacaag ttgaggattt aaaatcctgg ataattatat 360
acttaaagtt catgagcata aagctcactt gaccatgcag aaatgctggg aagcagggtg 420
catggcatgg gaatacatct

```

```

<210> 527
<211> 124
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (124)
<223> n = A,T,C or G

```

<400> 527
 tttccatattg tctgttgggt gcataaatgn cttcttctga gaagtgtctg ttcctatcct 60
 ttgccccctt tttgaggact taaatgttag acctaagacc ataaaaaccc tagaagaaaa 120
 ccta 124

<210> 528
 <211> 162
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(162)
 <223> n = A,T,C or G

<400> 528
 ctgcgggaga aatatgggga caagatgttg cgcangcaga aaggtgaccc acaagtctat 60
 gaagaacttt tcagttactc ctgccccaaag ttcctgtcgc ctgtagtgcc caactatgat 120
 aatgtgcacc ccaactacca caaagagccc ttcctgcagc ag 162

<210> 529
 <211> 409
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(409)
 <223> n = A,T,C or G

<400> 529
 cctttaaaat atagcttata aaatgtatac tatnngccag gagagctcac atttttctgc 60
 agttttccag tggacctgcc tatggaatac tgtaaagaaa aatctgcaaa aatattccta 120
 gcaattgaat cagtgtcttt aaataaaaga agtggagagg ggcttgggta aattattctg 180
 acaagttttc ttgctagtgg ttgccaaaat taaggatatt tgaagtgtcc tatcacccaa 240
 atttggtttt aagaaaaagc tatattctgn gtctataggg tgaagccac actatctgtg 300
 ctgcattctc aatgatacaa tacctatctg gaaactttcc tgttttgcc atgggtgcac 360
 aaatctaaaa cattttatca caaaaggtag ttgaatttaa atttctttt 409

<210> 530
 <211> 325
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(325)
 <223> n = A,T,C or G

<400> 530
 ccgccagtgt gatggatatt tgcagaattc gccctttcna gatttgngcc cgggcaggtc 60
 catggctagg attatagata gttgggtggg tggggnaaat gagtgaggca ggagtccgag 120
 gaggttagtt gtggcaataa aaatgattaa ggatactagt ataagagatc aggttcgtcc 180

```

tttagtggtg tgtatggcta tcatttgttt tgaggttagt ttgattagtc attggtgggt      240
ggtaattagt cggntgttga tganatattt ggaggtgggg atcaatagag ggggaaatag      300
aatgatcagt actgcggcgg gtagg                                           325

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```

<210> 531
<211> 173
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(173)
<223> n = A,T,C or G

```

```

<400> 531
ccaattgatt tgatggtaag ggagggatcg ttgaccnctg ctgttatgta aaggatgcgt      60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct      120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt tag              173

```

```

<210> 532
<211> 395
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

```

```

<400> 532
caggtcctac tatgggtggt aaatttttta ctctctctac nggggttttt cctagtgtcc      60
aaagagctgt tcctcttttg actaacagtt aaattttaca ggggatttag agggttctgt      120
gggcaaattt aaagttgaac taagattcta tcttgacaa ccagctatca ccaggctcgg      180
taggtttgtc gcctctacct ataaatcttc ccactatttt gctacataga cgggtgtgct      240
cttttagctg ttcttaggta gctcgtctgg ttccgggggt cttagctttg gctctccttg      300
caaagttatt tctagttaat tcattatgca naaggatatag gggntagtcc ttgctatatt      360
atgcttggnt ataatttttc atctttccct tgcgg                                           395

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```

<210> 533
<211> 290
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(290)
<223> n = A,T,C or G

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```

<400> 533
ctgaaccatt atgggataaa ctggtgcaaa ttctttgcct tctctacttc tcaactgattg      60
aacataagct tccagggtc cctgaaaac caaatgaaa acaatgtcaa aatattagat      120
aatcacata aaacagttta ggggatacca atatataaaa attattaggt aagctcattt      180
ctggaactgt taatgctcgg ttccacaatc caagnngacc aacagccttc actcagntac      240
tggnagtgn actatggtta ctacngntac taccttttagt gtnaaaaact                    290

```

<210> 534
 <211> 334
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (334)
 <223> n = A,T,C or G

<400> 534
 ccgccagtgt gatggatatt tgcagaattc gcccttagcg agnnagccgg gcaggtccat 60
 ggctagggtt atagatagtt ggggtggttg tggggnatga gtgaggcagg agtccgagga 120
 ggttantttg tggcaataaa aatgattaag gatactagta taagagatca ggttcgtcct 180
 ttagtggttc gtatggctat catttggttt gagggtagnt tgattagnca ttgttgggng 240
 gtaattantc ggctgttgat ganatatatt gaggtgggga tcaatanagg gggaaatana 300
 atgatcagtn ctgcggcngg tnnacacten gccc 334

<210> 535
 <211> 557
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (557)
 <223> n = A,T,C or G

<400> 535
 nccataagct tcagtgcgca aaagggtcaag gccagtgtta atttggtatt tcttaaataa 60
 ctttcccttt catttttaaa ttataaattt aacttctaac atgttttatg gttaaaattg 120
 tacttttttc ctttagcgac attcaaattc atcacaatca ctttgtgaaa ttgttcgcct 180
 gagcagagac cagatgttac aaattcagaa cagtacagag cccgaccccc tgcttgccac 240
 tctagaaaag tatgtgtaaa actctgttct tgttcttctt tcatattgat gctgttccat 300
 gtgttaccat tgtgagtggg tggtaagtgt tccttatgtg ggaatcatgt gccttgaaaa 360
 taaccttggg tgggtgagaa ggtagggaaa cctgcttctt ttatctcaag taaaagtttt 420
 ggcagggtaa agaagataaa tgacatttat atctagactt ttgagttttc caattatttg 480
 gtaaaaatgg gaaattctgt agaagccctt ccttaaaaaat gggggaagtc catttnanaa 540
 aattaactgg taggtca 557

<210> 536
 <211> 372
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (372)
 <223> n = A,T,C or G

<400> 536
 gtccaacct tcatttctga aactgttcta gagcacngtg tctttctcgt agttcataac 60
 ttacccttcc agtctagaat tagaattaca ttatctgttt tactacttta ctgactgta 120

```

agctcctaga agataaggac tagggagttc atctctgtat tccaccagaa ggtacagtga      180
ctcatatcta gagtcttttag atgaaactta ctgagttgaa taacttaata tatttctggt      240
ttcattccca agggaggcca tgtctggaga tagaccttga atttaataaa ttttaggcac      300
tataccattt cagtggagaa aattgttggg aaatttgggg ggatggatat ataaggggga      360
ggaagtcact gg                                         372

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<210> 537
<211> 284
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(284)
<223> n = A,T,C or G

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```

<400> 537
ccttctgatg caaacagaaa ggaaatgttg tttggangcc ttgctagacc tggacatcct      60
atgggaaaaat ttttttgggg aaatgctgag acgctcaagc atgagccaag aaagaataat      120
attgatacac atgctagatt gagagaattc tggatgcgtt actactcttc tcattacatg      180
actttagtgg ttcaatccaa agaaacactg gatactttgg aaaagtgggt gactgaaatc      240
ttctctcaga taccaaacaa tgggttaccg agaccaaact ttgg                                         284

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<210> 538
<211> 293
<212> DNA
<213> Homo sapien

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<400> 538
gtacatagta ggtgtatata tttatgggct atataagatg ttttgataca ggcattgtaat      60
gtgaaacaag cacatcaaca agaatggggt atccatcccc taaaacattt gtcctttggg      120
ctacatgtca tttcctaattg taaagaaaaat ggacagacag aaccaacatt gatttgactg      180
ggtgaaaaaag tccatttgag ttggggagcag ggggttggtt cctggatttg ggttgtagg      240
acagtgtaaa aaggcttcac aggggaacat tcttttctga taaaggaaag cag                                         293

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<210> 539
<211> 468
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

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```

<400> 539
tttcnataaa cttttatttt agagcagttt taagnnggta gcaaaattga ttagaaggna      60
cagagatgtc ccatacacct cctactccca cacatgcaca gccttcccca ttatcaatag      120
cccccaacag agggatacat ttgttaacaa ctgacgaacc tacatatcat tatcacccaa      180
agtccacagt ttatattatt ccttctggag aattttcaaa tacagaaatt cctctaccag      240
gaataaacta ncaatttctt ctctggctttc tataaattta attattattt cagaaattag      300
cctatcttta caggagaaaa tgttataaac catgaaaaga ctatcaaata cacaaggaag      360
tgaatgntat ataaaaaatg taccatctcc taaacaacta cctgcattcc cttcttggtg      420
gtaagttata atttgnnata gttctgatca tctgtttaat taatttgc                                         468

```


<210> 540
 <211> 397
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (397)
 <223> n = A,T,C or G

<400> 540
 ctgtttttatt aattccccca tttgcagcac acttntctct tccaacattc atcagtcaga 60
 tcagagtcca cgggtcttttc aaaattttaga taaactggct tacattttgt aatgatgtcc 120
 ccagacaaca cccactcca acccattctg tttgttacta ttagtttaca acatgcatgt 180
 gcctttactt tcattttcat agtatttaaa aatggaaggc cactcccaa tttacttta 240
 cccctttaat aatctctctc ctctgctct ctctggctcc ccagacaact gttgatttac 300
 tttcctttat gatggattag tttgcatttt ctagaatttt atatgactga catataaagn 360
 ttttatgttt cteccctttg ggtttcttca tgtggca 397

<210> 541
 <211> 248
 <212> DNA
 <213> Homo sapien

<400> 541
 cctagatagg ggattgtgcg gtgtgtgatg ctagggtaga atccgagtat gttggagaaa 60
 taaaatgtgc atagtggggg ttttatttta agtttgttgg ttaggtagtt gaggtctagg 120
 gctgttagaa gtcctaggaa agtgacagcg agggctgtga gttttagggt gagggggatt 180
 gttgtttgga aggggggatgc gggggaaatg ttgttagcaa tgagaaatcc tgcgaatagg 240
 cttccggc 248

<210> 542
 <211> 366
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (366)
 <223> n = A,T,C or G

<400> 542
 aatcgccct ctagatgcat gctcgagcgg ccgccagtgt gatggatatt tgcagaattc 60
 gcccttgagc gatanccgag gcagggtccaa ttgatttgat ggtaaggag ggatcgttga 120
 ccnctctgt tatgtaaaagg atgcgtaggg atgggagggc gatgaggact aggatgatgg 180
 cgggcaggat agttcagacg gtttctattt cctgagcgtc tgagatgtta gtattagtta 240
 gttttgttgt gagtgttagg aaaagggcat acaggactag gaagcagata aggaaaatga 300
 ctatgagggc gtgatcatga aagggtgata gctcttctat gataggggaa gtagcgtctt 360
 gtanac 366

<210> 543
 <211> 460
 <212> DNA

<213> Homo sapien

<400> 543

cctactatgg	gtgttaaatt	ttttactctc	tctacaaggt	tttttcctag	tgtccaaaga	60
gctgttcctc	tttgactaa	cagttaaatt	tacaagggga	tttagagggt	tctgtgggca	120
aatttaaagt	tgaactaaga	ttctatcttg	ggcaaccagc	tatcaccagg	ctcggtaggt	180
ttgtgcctc	tacctataaa	tcttccact	atcttgctac	atagacgggt	gtgctctttt	240
agctgttctt	aggtagctcg	tctggtttcg	ggggtcttag	ctttggctct	ccttgcaaag	300
ttatttctag	ttaatcatt	atgcagaagg	tataggggtt	agtccttgct	atattatgct	360
tggttataat	ttttcatctt	tcccttgcg	tactatatct	attgcgccag	gtttcaattt	420
ctatcgcta	tactttattt	gggtaaatgg	tttggttaag			460

<210> 544

<211> 116

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (116)

<223> n = A,T,C or G

<400> 544

ccgccagtgt	gatggatata	tgcagaatcc	gccctttgga	gngctngcgc	ccgggcaggt	60
ctgtttcagc	agctcctcct	tcttcttccc	gcgangatct	cgagccttga	tcttgg	116

<210> 545

<211> 380

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (380)

<223> n = A,T,C or G

<400> 545

cgacggatcg	atnagctnga	tatcgaatcc	ggacgagcat	ggcgtattgc	tgcagatatg	60
gattcttcag	aatgctccat	gacaaatgta	ctgacgggaa	gncnatctaa	aggaggcatt	120
gtnatgagag	aaaggtctcg	agctccagat	aaagagagat	acagagttct	tggaattgga	180
gttgcaaaa	cagtaagaca	atcgattgtg	gggaagcggt	cttttagaga	atctttggcc	240
ttcactccaa	agcgttggtc	ttcatcaata	ataagtagct	cgtgccgaat	tcctgcagcc	300
cgggggatcc	actagttcta	gagcggccgc	caccgcggag	gagctccagc	ttttgttccc	360
tttagtgagg	gttaatttcg					380

<210> 546

<211> 418

<212> DNA

<213> Homo sapien

<400> 546

ccagggcaat	taggcaggag	aaggaaataa	agggatttca	attaggaaaa	gaggaagtca	60
aattgtccct	gtttgcggat	gacatgattg	tatatctaga	aaacccatt	gtctcagccc	120
aaaatctcct	taagctgata	agcaacttca	gcaaagtttc	aggatacaaa	atcaatgtac	180

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aaaaatcaca agcattctta tacaccaata acagaccaac agagagccaa attatgagtg      240
aactcccatt cacaattgct tcagagaata aaatacctgg gaatccaact tacaagggat      300
gtgaaggacc tcttcaagga gaactacaaa ccactgctca aggaaataaa agaggatata      360
aacaaatgga agaacattcc atgctcatgg gtaggaagaa tcaatatcat gaaaatgg      418

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<210> 547
<211> 172
<212> DNA
<213> Homo sapien

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<400> 547
cctgaggttg ggagaaatth tgtccatttc tttagaacca aaattggcaa ccagagagta      60
tttgatggtt acacaaaata tctagtcttc ctttctagcc taaattgggt tgtttatagc      120
accgctctct ccatttgaga aaaatgggta gtagtctggg gcagggatga gg          172

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<210> 548
<211> 367
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1) ... (367)
<223> n = A,T,C or G

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<400> 548
ggtctgactt aagagaaaca atggaaggca agaggcagta gaataatata ttcaaaagat      60
gcaaaggaaa aaaacctctc agccacgaat tccttatcca gcaattatth ttcaaaaatg      120
aaaataacac aaagacttag ccagataaac agaaacatta actgaagttg ttgctggcag      180
acctaccata taaaaataaa aaactctaaa aaaattccta tggctaaaag caagttacag      240
aagacagtca cttgaatcca catttttaaa aaagcaactga tatacgtaat attgacatta      300
taaaagacag taaaaatgca tttcttcttt ataataaatn gcttattaaa taacatgtgt      360
ataatgg          367

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<210> 549
<211> 418
<212> DNA
<213> Homo sapien

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<400> 549
ccaaatcaga acctagagtg agcattctat aaactcacct ttgctttgat ccttgaagat      60
cacaagtttt gatactgttg aaatctctac tctttcaaca ctttaattaa atggcattta      120
gaatttcata tacttctgtt gttgtttcca caatcttaaa ctggatttag aaatacttat      180
aatgtaaatg caagagcttt aacttagtaa ccgtatttcc tattttttgt tgtttttctt      240
ttgccagaat ttctgtttgt ctacaataaa gtccagcgaa atacagtatt tggttagggt      300
acttgttaac ataaaatttt atcatttgta gagtttttac ttaaccttcc tattctctag      360
tctctataat ctttcaatga agataaccag ttacgaatat ctctataacc atattagg      418

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```

<210> 550
<211> 234
<212> DNA
<213> Homo sapien

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<220>

```

<221> misc_feature
 <222> (1)...(234)
 <223> n = A,T,C or G

<400> 550
 cctaccgcgc gcagnactga tcattctatt tccccctcta ttgatcccca cctccaaata 60
 tctcatcaac aaccgactaa ttaccaccca acactcacaa caaaactaac taatactaac 120
 atctcagacg ctcaggaaat agaaaccgtc tgaactatcc tgcccgccat catcctagtc 180
 ctcategcgc tcccatccct acgcctcctt tacataacag acgagggtcaa cgat 234

<210> 551
 <211> 542
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(542)
 <223> n = A,T,C or G

<400> 551
 caccctacc ccnntcctca taaaagttnc tctccctgga tctctttttt ccctcatgag 60
 tgcccggttg cccaagtcaa aaacctggga gtgatataaa ctccccacac atccagtcag 120
 tcactcatca actctattga ttctgtctgc taaatatatn tcaattgtat taacttaaac 180
 atatgcatan ggcactttct tcttctactgc atttttgtgg gctgcactta cttttcaggt 240
 aacgacaaca ctggccctct ttgcccttct agtcagaagt gccaaaatga tgagagctag 300
 ccatgacaaa cccacagcca acattacact gaatgtgcaa aactggaagg gcatccaaac 360
 agaggagggg agagaggaat agacaggaag tcaaactgtc tctgtttaca gatgacatgt 420
 ttctatatct ataaagcccc atagtcttgg ccccaaagct tcttctgctg ataaacttta 480
 gcaaagtctt agcatacaaa atcaatgtgc aaaaattact aacagtccta tacatcaagt 540
 ca 542

<210> 552
 <211> 411
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(411)
 <223> n = A,T,C or G

<400> 552
 cctggntgac aaggagggtgc ctgtnatgtg aagatttgag gaaagagcat tccaggcagg 60
 ggaaggctt gatgcaaagg gtctactgca ggcattagct gagcttattt aaagatcaga 120
 atgaaggcca ttgtggctag aacagagtgg acaggaagga atggtaccag gcaaagctga 180
 agaagtggc aggattgagc tctcataant catggcaaag agttccatt tcattgtttg 240
 acggaataa attggaaggt cttaagtagg agaagatttg attagattta cattttacga 300
 agaagcactc tggatgttat gtgaagaaat ggcctttgca gggcaagggt ggaaacaaag 360
 agatcagtta ggaaattatt ggagtagctg aggattggat gaggggatgt g 411

<210> 553
 <211> 631
 <212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(631)

<223> n = A,T,C or G

<400> 553

ccgggattag	aactaaaaca	agtgagatca	cccctcta	tatttctgaa	cttggtta	60
aaaagtttat	aagattttta	tgaagcagcc	actgtatgat	attttaagca	aatatgttat	120
ttaaaatatt	gacccctccc	ttggaccacc	ttcatgttag	ttgggtatta	taaataagag	180
atacaacat	gaatatatta	tgtttatata	aaatcaatct	gaacacaatt	cataaagatt	240
tctcttttat	accttccctc	ctggccccct	ccacctgccc	atagtcacca	aattctgttt	300
taaatcaatg	acctaagatc	aacaatgaag	tattttataa	atgtatttat	gctgctagac	360
tgtgggtcaa	atgtttccat	tttcaaatta	tttanaattc	ttatgagttt	aaaatttgta	420
aatttctaaa	tccaatcatg	taaaatgaaa	ctgttgctcc	attggagtag	tctcccacct	480
aaatatcaag	atggctatat	gctaaaaaga	gaaaatatgg	tcaagtctaa	aatggcta	540
tgctctatga	tgctattatc	atagactaac	gacntttatc	ttcaaaacac	caaattgtct	600
ttagaaaaat	taatgtgatt	acaggtagag	g			631

<210> 554

<211> 558

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(558)

<223> n = A,T,C or G

<400> 554

ccaggntagt	ctccaaactcc	tgaccttagc	tgatccaccc	acctcggcct	cccaaagtgc	60
tgggattaca	ggcatgagcc	actgcgcccg	gccaaacttg	atatgcattt	ttaaataagt	120
taatacatta	ttcatggttt	agtctcatta	tatattctat	ggctccacttt	gaaatttcat	180
ctaaccaaaa	tcattcttcat	cctgcaattt	gaggtttgga	cacaatgggg	attgatcagt	240
aattttcttca	tatgcccttt	ctcaaggaaa	tagtttctta	tgaaaaaaaa	gtcctatgtt	300
ttcatgtaag	ttctcttttt	ggagaagaaa	aggagacatt	cttacttagc	actctcagtt	360
ttacaaaacg	ctgccaacct	taaaatttgt	ctattgattc	ccaaggcaca	caaccaatag	420
tctgtcaata	acccggaata	acattttctt	aaggccccag	taactttcac	atgtttgggt	480
tccaatcctc	acctagaatc	ttgttaagaa	aagtaaacca	ttcactcctc	tagaaactct	540
aaggttgctt	cttagggg					558

<210> 555

<211> 212

<212> DNA

<213> Homo sapien

<400> 555

ccaggatatt	gcataatggc	ttttcttctg	ttgcctttgt	tcctttgtgg	ccccagctaa	60
ttgcctgaga	gtgccactgt	tagttttcaa	ctctttctga	tagaaaccct	gtgtactaac	120
atggaaatct	taggtaatct	gctttttcaa	agcacaatgc	agaatttatt	ggcgggtggtg	180
taactttaag	aatatccgag	aagccaccaa	gg			212

<210> 556

<211> 219
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (219)
 <223> n = A,T,C or G

<400> 556
 ccatgtgtct atctggagag aaggggaaac agcaagtgca aaggccctga gatggaacat 60
 atctggagaa ttcgaagaat ggtaagaagg ccagagtgga gcagaacaag tgtgggagag 120
 agttgttagga gatgagatca aaggctagga atgaagtgta aggccatgct atgtgacctt 180
 gtatgtcctt gtaaggcttt tttttttttt tttnancct 219

<210> 557
 <211> 482
 <212> DNA
 <213> Homo sapien

<400> 557
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagttaaatt tacaagggga ttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
 ttgtgcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctc ctttgcaaag 300
 ttattttctag ttaattcatt atgcagaagg tatagggggt agtccttgct atattatgct 360
 tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420
 ccacgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaagggtg 480
 ag 482

<210> 558
 <211> 679
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (679)
 <223> n = A,T,C or G

<400> 558
 ctgtnaaaat tctgaacctc tccccaaaag aaaaaccgtg aaatacaagt tttaggaggt 60
 ggagcaaaga aaagccaagt tatttaaaac caataaacac aagagacaat tctgctggag 120
 aatttacttt ctccaaaaca tcaaatggac tttaaagcag aagaccacat tttatgagaa 180
 agttatgtca ctgaaaagct tcatgtaaag tgactttgta aatggaatat ttttaaatga 240
 taataaagaaa ataacttttc caggaatcct ttggagaggc tgataaccag atattaaatt 300
 atcaattttg ccaaagtgga ctttttaaaa atgtgttact tttaaaaact aacttgaaag 360
 aatttatgag gcaatctatc tgagtatggt tattgttgct ccattggctt tcaggatttt 420
 ggtcatttca ctgttaactc ttacatcaga gaataaagaa aagaaaatga aactttgtta 480
 ggaactggga tggaaaatgt agtcccagac agatctactg acctcgactg agtttcagaa 540
 atatcccagg attttggtta ttcatgcctt tcttttgtga ctttctttca aattagccaa 600
 ttaaagatac cccttcaatc accggtgaca tcagtacaac agtttttcaa cagttttctc 660
 tctcctgacc aaacagttt 679

<210> 559
 <211> 488
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(488)
 <223> n = A,T,C or G

<400> 559
 cccactgta ctccagcctg ggtgacccca tctcaaagaa gaaaagttac cagatgtcat 60
 gggtaaaggt tgggtcttcaa gtggcctcat aagttgtctt gcattttaa tcaggggaatt 120
 cattggacca atagggttaca ttttcgttcc ttttttgttt tggttcatct gttaagcagt 180
 gggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg 240
 ttcaaactgg ttgttgatgg gtaacaaggg ctgtttttgc tgccccaaaa gggcttaaca 300
 atttaggcgg atagtttact taaaaaaaaa aatcctttgg agacatactg aaaatgcaaa 360
 ctagtttcta aattatcaat tccctacatg aanaagcagt ttgccanagt ttagtctcan 420
 aaaatgactg gttggctcta tttaaatcan aaccaattt ctacgcacct gcccgcccg 480
 ccaagggc 488

<210> 560
 <211> 602
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(602)
 <223> n = A,T,C or G

<400> 560
 cctanttaag aattccttgc cttagtgggtg aacaaggact aaacacagac aatgggtgaa 60
 acacagacgc taattcacat aacagagagt aggcaacctt aagaatgaat tgatgcagac 120
 tcctatagaa ttcctctgtt atgactgggt tcttattttc tctccttgt atgtagtga 180
 aatttcacat ttatgaatag ttcttggat ctttttttaa agttgtgaat gcgagtgtt 240
 ggctttgtaa tacaactttt tagtatccag aagataacca gtgctctacc aataaagatc 300
 ttttgataca aagggtttta acttctgcc a gttcttactc atttttttca ggttttttat 360
 acatttctta aacaacacat acattatgta aaatataaga attaattgtac attctcaagg 420
 ccagattcag tgacaaaatg cactacccga atctagtaac acatttactc cttgctgcat 480
 ataagtggcg tgtaagaaat acaggggtata ttgttttgg atccatgcag taaatgttca 540
 caaatatcag gcaaacaact agacgntctt cagctactaa aattaactgt cccagtcaca 600
 aa 602

<210> 561
 <211> 683
 <212> DNA
 <213> Homo sapien

<400> 561
 gtctattttt aaaaagaaag aaaaaaacca cttttttata gtccctagct ttgccatatg 60
 cccgccttaa gtggaaggaa agttaatcac ttaactatgt tttataaaaa gaaaaaagg 120
 cttggaatgc tattactgtt cacacaaagt atgattctgt ttgaataagg caaatgtctc 180

tttttttaaa	aaaagacatt	actgtaatat	caaaaaccgt	ggcagtttgt	atacaactct	240
gggcttgatt	ttttttaaaa	aaacagaatg	aattgatgtc	ttattttata	aatgttctat	300
atattattagg	agaaaacttt	atattgcctt	ttttatcaat	catgtaacag	gcttatagct	360
ttccaacaga	gctgcttgcc	aaacaatttt	ttttgtttat	taaacagtgc	tgaaacaaac	420
aggatcagca	tttacttaag	atgttaagaa	tgaggacttt	taatcagccg	aaccaagata	480
ttgttacctg	tatgcattcc	caaagtctag	atgctcagta	tgttcagtca	tatctttcag	540
aatcagtga	ccgattaccc	tttttttggg	attcactcta	catctgccaa	cctagttcac	600
cttggttttg	tgtctgctgt	agaagggaac	cataacttgg	ttaaaccgta	gggattatca	660
ttgtatacat	gctgtgaaca	tgt				683

<210> 562

<211> 420

<212> DNA

<213> Homo sapien

<400> 562

gcactttttt	tccagtaagg	attcatctct	tgctctccta	tatggtcatt	atattttata	60
ttttacatat	ttataaacat	gacatatgta	tttatgttcc	acaaagggct	ttgaatagaa	120
tttacacata	gagttccctg	ggttgatgtg	tttatcaaaa	tggaagataa	agtgaattaa	180
ttacttaaat	atttaacact	attgaataga	aataatttcc	ccaatattgc	ttcatgattt	240
agacagtcta	ttaaatgttt	aagcaaggca	ctagactaag	tttattaaga	caaattttgg	300
aatatgtgca	gaaatatgac	ctggctaata	gtacagagtc	aaagctggtt	gaatgggtgtt	360
atatagtgga	ttcagattga	tgtggcagtg	gtgggttacac	taggggcact	aagggttatcc	420

<210> 563

<211> 482

<212> DNA

<213> Homo sapien

<400> 563

ctccacctta	ctaccagaca	accttagcca	aaccatttac	ccaaataaag	tataggcgat	60
agaaattgaa	acctggcgca	atagatatag	taccgcaagg	gaaagatgaa	aaattataac	120
caagcataat	atagcaagga	ctaaccctta	taccttctgc	ataatgaatt	aactagaaat	180
aactttgcaa	ggagagccaa	agctaagacc	cccgaaacca	gacgagctac	ctaagaacag	240
ctaaaagagc	acaccctgtc	atgtagcaaa	atagtgggaa	gatttatagg	tagaggcgac	300
aaacctaccg	ggcctgggtga	tagctgggtg	tccaagatag	aatcttagtt	caactttaac	360
tttgcccaca	gaaccctcta	aatccccctg	taaattttaac	tgttagtcca	aagaggaaca	420
gctctttgga	cactaggaaa	aaaccttgta	gagagagtaa	aaaattttaac	acctatagta	480
gg						482

<210> 564

<211> 302

<212> DNA

<213> Homo sapien

<400> 564

ctggaagtga	aggactaat	atacaaatgg	ctcttgtttc	tgaatatgtg	atataatttg	60
tgaatctttg	gaaactgaat	tttttctatg	gagtgc aaat	atagaagggg	tattttacaa	120
tgtttggtgt	gaaaagaatt	cactttgtaa	acaactatta	aggctggaag	tttagtgaag	180
gtgcatagtt	ttgaaaagta	cacagggtgaa	aaatcaaact	tattgtttgt	aattttgctg	240
ttacatgtta	agttactttg	acagcaattt	tctaatagata	atgtgattta	tgatttaaaa	300
gg						302

<210> 565

<211> 554
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (554)
 <223> n = A,T,C or G

<400> 565
 ccanngtgac atcatggcaa tacagcaaga attctgnnat ttatttagaa gcctcaagga 60
 gaaggatcct ggagcccctg aatgagagtt tcttctccat gcctctcccc agtcaaaata 120
 catggaaata ttcatagaag cattgtaccc agcatgataa ggaaggatgg agaattggttc 180
 cttatatctc tgttcacaag acatcaacac tcttaagtaa ctgtatgaaa taaattctct 240
 gctgaaagca aataaaccat ctgaaaggtc ttctggttac ttacacagat ttcctagaga 300
 atctgaaatc agcctaacag ggaagattaa tttttaaatg aatccaagtt aatgaaagca 360
 aagaactcct atacagaaat acattttcct attataaagc aggactacct tccctaattt 420
 ctgatagacc taggacaatt tgaatgggca ttgaaattct tttggttgaa ttacgcaaac 480
 aagcaaagga aaagtctcaa ttattattgg aaaatttggg gagagattat tatctcttga 540
 tctcctagtn natt 554

<210> 566
 <211> 631
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (631)
 <223> n = A,T,C or G

<400> 566
 ncgaagctgt gaanncattc acacggaatc tgganggtat tactgtaact tcttataata 60
 cataatataa aagtttttga aagatataga cacaattaac ccctaaacaa cacactatct 120
 gattctcaaa agcaatggct atttaacaag atgtaaaagg acaataacat atcaaagaac 180
 tttcacacac cttaaagatag catttagcag caagttagtc agacaaaaca aacataaata 240
 tcttcacatt tcctatgttt gtttttaact ttacttcata aagccactga taattgaggt 300
 ttctttcaag tataagattt ctaaaattaa aaactgtttt tgacatattt ttataaagaa 360
 ataaaaagca aaacgcaatc caactattta tatgagtcct tcttctccaa cagctttaga 420
 tgtttttctg agtacttttt acacagaata tttttattaa aatcagttct aattcattta 480
 tgcagattag gggaaaatga ttcataataa attaaacttta aaattacctt ctatctgctt 540
 ctacctctat ccccccatca ccaccaaatc tgttgctaca gtgaactgta gccaatgtct 600
 gtttgagggg gcccaaagca tctggtaatc t 631

<210> 567
 <211> 510
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (510)
 <223> n = A,T,C or G

<400> 567

cctatnatag	cttctctagc	tatcatactc	caatcagcna	aaaatgagaa	aatgttgaga	60
aatagaagat	aattcctcat	ttaaggncac	cttctanaat	ttgtgcttaa	nantctgttt	120
tcttctcatg	ggccagcact	tcggcaactg	ggaaaaatta	ngngtacagg	gatctaggna	180
atactgttta	tttgagcaat	aatatattgn	gctaacgttc	aggcatccta	ttactgagaa	240
ataagggaaa	atgagtgtaa	agtacaacta	agagtctcgg	ctacagggaa	aaataccatc	300
agttaaatat	ccatagtcct	agagcattta	tgtaaaactg	caatttgaat	cctgcaatac	360
atthttggctt	tttctcagc	gataccatgt	gtgggaagtt	gttctgtcaa	ggtgggtcgg	420
ataatthtgc	ctggaaagga	cggatagtga	ctttctcgac	atgtaaaaca	tttgatcctg	480
aagacacaag	tcaagaaata	ggcatgggtg				510

<210> 568

<211> 180

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (180)

<223> n = A,T,C or G

<400> 568

ttaatntgac	ncacgcttat	gcggaggaga	atgntttcat	gttacttata	ctaacattag	60
ttctttctata	gggtgataga	ttgggtccaat	tgggtgtgag	gagttcagtt	atatgttttg	120
gatttttttag	gtagtggttg	ttgagcttga	acgctttctt	aattggtggc	tgcttttagg	180

<210> 569

<211> 237

<212> DNA

<213> Homo sapien

<400> 569

ccaattgatt	tgatggtaag	ggagggatcg	ttgacctcgt	ctgttatgta	aaggatgcgt	60
agggatggga	gggcgatgag	gactaggatg	atggcgggca	ggatagttca	gacggtttct	120
atthcctgag	cgtctgagat	gtagtatta	gttagttttg	ttgtgagtgt	caggaaaagg	180
gcatacagga	ctaggaagca	gataaggaaa	atgactatga	gggcgtgatc	atgaaag	237

<210> 570

<211> 352

<212> DNA

<213> Homo sapien

<400> 570

ctgtctctcc	atttagagcc	ccagttggtc	ctgacctctt	acaaatttgg	tgthtttcaact	60
ttgatgttta	tgaaccgatt	gcattaaaaa	tgcaggataa	tgattcaggg	ttagagaaac	120
tattattttat	acaaatgttg	ttaacacctc	atcattttta	attggctgtg	ctaataatgc	180
tcattgtgct	cttcagggtt	atgtgtgtgt	gtgtgtgtgt	gttttgctg	aatctgcaac	240
ctacatttgc	tctggcagta	tgthgagtat	atgctagaat	agaatggacc	taggcaactc	300
taaggtccta	caactaaata	cacttactta	ggaaacctcc	taaataagta	gg	352

<210> 571

<211> 402

<212> DNA

<213> Homo sapien

<400> 571

<211> 70

<213> Home

<220>

<222> (1) ... (70)

<400> 572

<210> 573

<211> 423

<212> DNA

<213> Home

<210> 574

<211> 129

<212> DNA

<213> Home

<210> 575

<211> 684

<212> DNA

<213> Homo sapien

<400> 575

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<210> 576
<211> 134
<212> DNA
<213> Homo sapien
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<400> 576

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<210> 577
<211> 133
<212> DNA
<213> Homo sapien
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<220>

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<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G
```

<400> 577

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<210> 578
<211> 200
<212> DNA
<213> Homo sapien
```

<400> 578

cctcaaatct	atcttcaag	gtgaccagc	aatcagtgtc	aatgccttta	ctgtagttaa	60
cctggtaatt	tcattcttta	gtctctccaa	gaaaatctga	agtgtattag	gcaagtcaga	120
acccaaatgt	tctccaaggt	tgcaataaat	ttgtcccata	caggaaatag	ccctttcctt	180
gacttctga	tcaatgtcag					200

<400> 579

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<220>  
<221> misc_feature  
<222> (1)...(245)  
<223> n = A,T,C or G
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<400> 580

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<210> 581
<211> 294
<212> DNA
<213> Homo sapien
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<400> 581

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<210> 582
<211> 230
<212> DNA
<213> Homo sapien
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<400> 582

gaggtcgccc	tcatagtcac	tttccttacc	tgttccttag	tctgtgatgc	ccttttctca	60
acactcacaa	caaaactaac	taataactaac	atctcagacg	ctcaggaaat	agaaaccgtc	120
tgaactatcc	tgcccgccat	catactagtc	ctcatcgccc	tcccatccct	acgcatacct	180
tacataaacg	acgaggtcaa	cgatccctcc	cttaccatca	aatcaattgg		230

[illegible]

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<210> 584
<211> 306
<212> DNA
<213> Homo sapien
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```
<210> 585
<211> 308
<212> DNA
<213> Homo sapien
```

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<210> 586
<211> 416
<212> DNA
<213> Homo sapien
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<400> 586

cctgtctttg	aatggatgaa	ataggttaat	aaaaaacatc	actgttttaa	aactagaaca	60
ctgaaaaatt	ctaggaaagc	ttattttccc	ttatatTTTT	atggnaCTTT	caacacttna	120
caacactatt	tnaattaann	ttntttctag	agtttatann	atatcagtac	attcttttct	180
gtggatgcaa	taatatagaa	tcttattnca	aatcttactg	gcaggntctn	ttaaattctt	240
caacggntgn	catagtgatt	aaccaaatt	agttatgatt	tctgcctatc	tgtgtgagaa	300
cttacagggg	aaattgttct	aaacctgagg	aacatgaagt	aactgtactg	cacactccaa	360
atgatgacag	tcattttata	tcaccttcaa	ttaccaaca	gcttttaata	gtctgg	416

<210> 587

<211> 382

<212> DNA

<213> Homo sapien

<400> 587

cctactatgg	gtgttaaatt	ttttactctc	tctacaaggt	tttttcctag	tgtccaaaga	60
gctgttcttc	tttgactaa	cagttaaatt	tacaagggga	tttagagggt	tctgtgggca	120
aatttaaagt	tgaactaaga	ttctatcttg	gacaaccagc	tatcaccagg	ctcggtaggt	180
ttgtgccttc	tacctataaa	tcttcccact	atcttgctac	atagacgggt	gtgctctttt	240
agctgttctt	aggtagctcg	tctggtttcg	ggggctcttag	ctttggctct	ccttgcaaag	300
ttatttctag	ttaattcatt	atgcagaagg	tataggggtt	agtccttgct	atattatgct	360
tggttataat	ttttcatctt	tc				382

<210> 588

<211> 307

<212> DNA

<213> Homo sapien

<400> 588

cctactcttc	tccgtccatt	gtactatctg	cccgtgggtg	ggatggcagt	aggatcatat	60
ttgatgactt	ccgagaagca	tattattggc	ttcgtcataa	tactccagag	gatgcgaagg	120
tcatgtcctg	gtgggattat	ggctatcaga	ttacagctat	ggcaaaccga	acaatttttag	180
tggacaataa	cacatggact	aatacccata	tttctcgagt	agggcaggca	atggcgcca	240
cagaggaaaa	agcctatgag	atcatgaggg	agctcgatgt	cagctatgtg	ctggtcattt	300
ttggagg						307

<210> 589

<211> 89

<212> DNA

<213> Homo sapien

<400> 589

cctgggtgat	tgaggatgca	atgagctgtg	attgtgccac	cacactccag	cctgggcaat	60
acagcaagac	tgtctcaaaa	aaaaaaaaa				89

<210> 590

<211> 456

<212> DNA

<213> Homo sapien

<400> 590

cctcagttct	tgattgtggg	tgacggggcg	tcaccatgaa	ggagcccatt	tagtataaag	60
cttccaacct	tttctcttaa	tcgtttcttt	aatcttttaa	accatcttca	agtgcatagg	120
ggagtttccg	atgccagagg	atgaaagcaa	gtgctctctc	cacctctcc	tcccagagt	180
aaaacaaatc	cttttgctga	tacttgtttc	aaaagcatcc	attgtaaagc	ttctcagtga	240

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cacaaaatac tgagaggtaa ctttttatca atcaaaccac atacccaat ttaacacctt 300
tcaatgctct gaattcaact gacagactaa aggggtgtttc ctgtaacagt ctgaaatatt 360
aagtgttttt tttgttttgt ttttaaatct tatttcagaa aacttcctct tggggtagga 420
aagtacacat gaagcagcaa agtaacgaag aaaaac 456

```

```

<210> 591
<211> 289
<212> DNA
<213> Homo sapien

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<400> 591
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
ataagctctt ctatgatagg ggaagtagcg tctttagtag ctacttgcg 289

```

```

<210> 592
<211> 435
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (435)
<223> n = A,T,C or G

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```

<400> 592
cgcgtagat gcgccttttc cggcctgtgc gtctgctctg gtctctctca ggcagcaaag 60
ctggggaagg aagctcaggc aggagcctcc ccgacaccac agcggcacia gcagcagcta 120
aagcaccgca ctttgcctctg ctaacctttt acttaaatga ggttttgcca aatccacatc 180
tggaaccgca tcacacccat ttgcaaggat gtttgttctt tgatgaaact gcactctctac 240
tgcacatgan ggctttcatt gtaggacaag aggagagttc gtttattttt gtaactgttt 300
tacatgttcc gattanttaa tcggnagctt atgtcatttg ctatgcctgt tgtcttctaa 360
tctctcctta ctaaaacatt acttcaaatt tnaattgacc cttgtttata atttatttaa 420
cgggatttgn gtgtc 435

```

```

<210> 593
<211> 633
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1) ... (633)
<223> n = A,T,C or G

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```

<400> 593
ctgttttagtc agataattgt gtccgaattg attangaaaa taatagacca gccataaagc 60
agcataaaaat attatgaaac tattccagaa gttcagtaat atctttggga cctgctcata 120
gcccaagttt tgtgaatact tttgtagtta aaaaaaatTT ttactttacc agggcattgc 180
aattcttttc catcagtga tttcattcta cagaettttc agagcatctc ataatcagtc 240
aacaaatcta tttcaaagtgt gtttgttact aagcaacggg tgctaagagc ttctgtaat 300
aagatgaaag ttccaaggta acaatgcccc aacacagcac cattttcacc attttctgat 360

```

196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999

aatgcaggag	taggatggct	aaaagtgaaa	gaagaatcta	ctctatggaa	agcatggcac	420
ctgaaatttc	tgaagatatt	ggctgtcctc	tagcttatat	gagagagagt	gtttgtgctt	480
tactaatcaa	ccagtcattt	ttttcttggt	tggctgaaat	gtacattcca	gacatgaaca	540
ggtagagtat	gtgttggggg	caggtttata	ctgcatgggt	gtgctgagac	agggccacgt	600
ggtgatgtaa	atgatgctgn	ctgacacgtg	cag			633

<210> 594
 <211> 501
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

cctttacaag	atgctggtac	cttgatcttg	gacngggcag	gctccaagat	ggaaagaaag	60
tgagcatctg	ctttttaggg	attatccagt	ctatactact	ctgttctagc	cacacaaaac	120
aggttaagac	agaaattggg	accaagagtg	gggtgttact	acagcaaata	cctgaaaatg	180
tagaagaggc	tttgaaatgt	ggtaattgga	agaagctggg	agaatttgga	ggagtaggct	240
agaaaatgtc	tgtattttca	tgaatggagc	attaagaata	attccgggtg	ggccataggg	300
aaagtctaaa	acttttcaga	aattatgtaa	gcgattgtga	ttagtagggt	ggtagaaata	360
tagacagtaa	aagcaattct	gatgtggttt	cagaggaaaa	tgaaaaatat	tagaaactga	420
aggaaggggg	atccttgcta	taaactggca	aagaacttgg	ctgaaatgtc	tccatgtcca	480
agagatttat	ggcagaaatg	t				501

<210> 595
 <211> 383
 <212> DNA
 <213> Homo sapien

ctggtcacca	tcattccctt	aatcaactca	cacctgttta	aagagtgttt	ctgatttgac	60
cttcattcct	tagtttactg	gcgttaaaaa	aagtctcagc	aattttcatt	atttctcgtg	120
ggcttcatta	tcaaaccctt	acttatttgc	gcataatttc	tctgggcttc	ttctagtttc	180
tgccttacaa	gcaatgctgt	tctgtaaatt	tattgaaacc	tctggaacat	ttcaccttta	240
gagatggagg	atggaaggat	tggtaccaga	agagggctaa	gatacgtttt	ctgtcttgag	300
ctgaaagcac	agtctactct	ccttcgtttt	gtcgatgaga	aagttgaggg	cagaggggag	360
gtgacatggt	tagagtcacc	cag				383

<210> 596
 <211> 266
 <212> DNA
 <213> Homo sapien

ccatggctag	gtttatagat	agttgggtgg	ttggggtaaa	tgagtgaggg	aggagtccga	60
ggaggttagt	tgtggcaata	aaaatgatta	aggatactag	tataagagat	cagggttcgtc	120
ctttagtgtt	gtgtatggct	atcatttgtt	ttgagggttag	tttgattagt	cattgttggg	180
tggttaattag	tcggttggtg	atgagatatt	tggagggtggg	gatcaataga	gggggaaata	240
gaatgatcag	tactgcggcg	ggtagg				266

<210> 597

<211> 383
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 597
 ctgggtcacca tcaccccttt aatcaactca caccngttta aagagtgttt ctgatttgac 60
 cttcatccct tagtttactg gcgttaaaaa aagtctcagc aattttcatt atttctcgtg 120
 ggtctcatta tcaaacccttt acttatttcg gcatatttcc tctgggcttc ttctagtttc 180
 tgccttacaa gcaatgctgt tctgtaaatt tattgaaacc tctggaacat ttcaccttta 240
 gagatggagg atggaaggat tgggtaccaga agagggctaa gatacgtttt ctgtcttgag 300
 ctgaaagcac agtctactct ccttcgtttt gtcgatgaga aagttgaggc cagaggggag 360
 gtgacatgtt tagagtcacc cag 383

<210> 598
 <211> 266
 <212> DNA
 <213> Homo sapien

<400> 598
 ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60
 ggagggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc 120
 ctttagtggt gtgtatggct atcatttggt ttgagggttag ttgattagt cattgttggg 180
 tggtaattag tcggttggtg atgagatatt tggaggtggg gatcaataga gggggaaata 240
 gaatgatcag tactgcggcg ggtagg 266

<210> 599
 <211> 294
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(294)
 <223> n = A,T,C or G

<400> 599
 ccaattgatt tgatggtaag ggagggatcg ttgaccacgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca nataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgccg tgca 294

<210> 600
 <211> 213
 <212> DNA
 <213> Homo sapien

<400> 600
 agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct tatgcggagg 60

```

agaatgtttt catgttactt atactaacat tagttcttct atagggtgat agattgggtcc 120
aattgggtgt gaggagttca gttatatgtt tgggattttt taggtagtgg gtgttgagct 180
tgaacgcttt ctttaattggt ggctgccttt agg 213

```

```

<210> 601
<211> 471
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

```

```

<400> 601
ncctactatg ggtgttaaatt tttttactct ctctacaagg ttttttccta gtgtccaaag 60
agctgttcct ctttggacta acagttaaat ttacaagggg atttagaggg ttctgtgggc 120
aaattttaaag ttgaactaag attctatctt ggacaaccag ctatcaccag gctcggtagg 180
tttgtgcct ctacctataa atcttccac tattttgcta catagacggg tgtgctcttt 240
tagctgttct taggtagctc gtctggtttc ggggggtctta gctttggctc tccttgcaaa 300
gttatttcta gttaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc 360
ttggttataa tttttcatct ttcccttgcg gtactatata tattgcgcca ggtttcaatt 420
tctatcgct atactttatt tgggtaaatg gtttggctaa ggttgtctgg t 471

```

```

<210> 602
<211> 482
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

```

```

<400> 602
tgagcataca gcaataaaaa taacataatt tntatgtgta caatatattat ggaatacgtt 60
actggaacag ataaataatt tagttaataa catgacaaag aacagaaatt gtatacacta 120
tacagcatag taatagaata atgaatgatt aaagttatta atattaggta gaaaatgaag 180
ggtatctttg agagcagaac tcaaggaagc aagcaatttg ctttatgagg aaagagttac 240
ctgtggataa aggagaaact gaaaaattta caagtcaaga ctttttgagc aaaaacaaaa 300
atatgactat gagtcaccaa ttcagtacag tgaaaaaaaaa gttgaagaga tatcttgga 360
gtaaaccatg ttgtggaaga gcagggtttt gataatcatg ggattattct gaatgaattt 420
taaatgcgat aggaatatat gagataattt caccagagaa taatatgatc atgtttgcat 480
tt 482

```

```

<210> 603
<211> 372
<212> DNA
<213> Homo sapien

```

```

<400> 603
gttccaacct tcatttctga aactgttcta gagcactttg tctttctcgt agttcataac 60
ttacccttct agtctagaat tagaattaca ttatctgttt tactacttta ctgactgta 120
agctcctaga agataaggac tagggagttc atctctgtat tccaccagaa ggtacagtga 180

```

```

ctcataacta gagtcttttag atgaaactta ctgagttgaa taacttaata ttttctgtt 240
ttcattccca agggaggcca tgtctggaga tagacctga atttaataaa ttttaggcac 300
tataccattt cagtggagaa aattgttggg aaatttgggg ggatggatat ataaggggga 360
ggaagtcact gg 372

```

```

<210> 604
<211> 468
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

```

```

<400> 604
gcngttttga gtgagtttct taatcctgag ttctggnttg attgcactgt ggtctgagag 60
atagtttggt ataatttctg ttcttttaca cttactgagg agagctttac ttccaagtat 120
gtggctgatt ttggaatagg tgtggtgtcg tgctgaaaag aatgtatatt ctgttgattt 180
ggggtggaga gttctgtana tgtctattag gtccgcttgg tgcagagttg agttcaattc 240
ctggatagcc ttgttaactt tctgtctcgt tgatctgtct aatgttgaca gtggggtggt 300
aaagtctccc attattattg tgtgggagtc taagtctctt tgtaggtcac taaggacttg 360
ctttatgaat ctgggtgtct ctgcattggg tgcacatata ttaggacag cnagctcttc 420
ttgttgaatt gatcccttta ccattatgta atggccttgn ctcttttg 468

```

```

<210> 605
<211> 288
<212> DNA
<213> Homo sapien

```

```

<400> 605
ccaattgatt tgatggtaag ggaggggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
ataagctctt ctatgatagg ggaagtagcg tctttagtagac ctacttgc 288

```

```

<210> 606
<211> 572
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(572)
<223> n = A,T,C or G

```

```

<400> 606
gaatnaaatg aatgaaatag aaaatataat tgagagcttc aacaacagac tataccaaat 60
ggaggaaaaa atttctgaac ttgaagatag atcttttgaa ataacacaag cagtggcaaa 120
aatgaattaa aaagaataag gaaagcctaa aggatttatg agatatcatt aagcaagcaa 180
atattcatat tatgggcatt ccagatggaa aaaagaaggg taaaggtgag gaaatcatat 240
ttaatgaaat aatagcagaa aatttccgga gtcttggggag agagatgagc atttaggtcc 300
agggagctca aagaacccca aacagattca acccaaacag gtctctctct gagcccaaca 360

```

tagtcaaatt gtaataagta aaagacaaag aattccaana agcattcaag agaaaagagt	420
caagtcataa ataaggggaat ctccattagg ctaacagcag atatctcagc agaaagctta	480
cangccanga gagaatggga tgatatattc aaagtacttg aaagcagggg tnggggaaac	540
cctgctagct aaaaatatta tacccttgca aa	572

<210> 607
 <211> 178
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(178)
 <223> n = A,T,C or G

<400> 607	
ctcggggtaa tctcccagca agaggtcagg tcttgntgt gcgtcccagg gtgtcagtga	60
aattggctgc tcccctgacc cagggcacct tcatgctgtc tcacagcagg actactgtga	120
ccaagggcag acctttcatc tttcaaaaga ctttgactaa aaatgcttta aaaaagca	178

<210> 608
 <211> 416
 <212> DNA
 <213> Homo sapien

<400> 608	
cctgtctttg aatggatgaa atagggttaat aaagaacatc actgtttaaa aactagaaca	60
ctgaaaaatt ctaggaaagc ttattttccc ttatatTTTT atggtacttt caacacttaa	120
taacactatt tcaattaagt tttctcctag agtttatagt atatcagtag attcctttct	180
gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt	240
caacggctgt catagtgtatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa	300
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa	360
atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata gtctgg	416

<210> 609
 <211> 648
 <212> DNA
 <213> Homo sapien

<400> 609	
ctgatctctc agcagaaaact cttcaaacca gaagagagtg ggggccaata ttcaacattc	60
ttaaagaaaa taattttcaa cccagaattt catatccagc caaactaacc ttcacaagtg	120
aaggagaaat aaaatccttt acagacaagc aaatgctgag agattttatc accaccaggc	180
ctaccctaaa agagttcctg aaggaagcac taaacatgga aaggaacaac cagtaccatc	240
gaggctagga agaaaccgca tcaactaagg agcaaaaata ccagctaaca tcataatgac	300
aggatcagat tcacacataa cgatattaac tttaaagtga aatggactaa atgctccaat	360
taaaagacac agactggcaa attggataaa gagtcaagac ccatcagggg gctgtattca	420
ggaaacccat ctcaccgtgc agagacacac ataggctcaa aataaagggc tggaggaaga	480
tctaccaagc aaatggaaaa caaaaaaagg caggggttgc aatcctagtc tctgataaaa	540
cagactttta accaacaag atcagaagag acaaagaagg ccattacata atggtaaagg	600
gatcaattca acaagaagag ctaactatcc taaatatata ttgcaccc	648

<210> 610
 <211> 310

<212> DNA

<213> Homo sapien

<400> 610

```
ccagctcttc tctgtcacat tcctatttct gacttctgcc tggctttcag tttctgcccc    60
accttggttt tttccagct tgaacctaat agaactccag agtttggggg gagggccagc    120
cctttgtttt ctgctcttga agcatattca cacataaaaa gttgtattct cttacacaaa    180
ctgttttgag gctcttaccg tagtcgaagg tatcttagat cttccttagt gatctcatta    240
agaatatccg aaagtgtata accctcttca acaatctgaa acaaagatca gatccttaag    300
agctgagcag                                     310
```

<210> 611

<211> 254

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (254)

<223> n = A,T,C or G

<400> 611

```
ctgtttttac atctaaagca atagactaga actgaattnt cttctacata gtaaaatcac    60
aattgtggaa ttacaggaat tctggtgata ttaagggtgaa acaacaaaac acaaaaggcc    120
ctattttaac agttgatgtg acagtaagtt ttaatagaac ctgtaacttc attttggaag    180
tgcttctcca ccaaataagg cctttttccc ctatttaagg agccagatgg attgaaagat    240
gtggaaatag gcag                                     254
```

<210> 612

<211> 225

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (225)

<223> n = A,T,C or G

<400> 612

```
ctgactatat catgtcacca tcatagccaa tacaacattn ttgccatact tcctaaaaac    60
cttttcgcat aactgatca tgctacttat cagcactttc taacatcctg accaaacaga    120
caccacacc tcttatagag tacactgtga gagaataaca tggacttgat atggcatcac    180
acttgtttta aagcaaaaaa aaaagaaaaa gaaaagaaaa aaaaaa                225
```

<210> 613

<211> 471

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (471)

<223> n = A,T,C or G

<400> 613

```

ccatcagact tcttgggtgc ctggctatat tcaatgtgaa gtaaaaaata tcccaagtct    60
tacaccaaaa tagaggctct gacttagaag tatgctttta gctttctttt taaataagac    120
attctggaag aaaaaaaaaa aaaaaggaaa gaaaatcaag tttgaaacac agttaacact    180
tattttggca agaaagcaac caaaatctaa aaagcataaa ctatgngtcc aaatgnaaaa    240
ggnattacag acaaaactgc aagaggggaa aattaaagcc nactgaacg aaaaaataca    300
gtatgtctaa catttttgaa ttgnaattta aaccctaagg gcaaaagctg aaaaatcatg    360
cttanacctn ggncgngacc acnctaagg cgaattccan cacactggcg gncgttacta    420
gtggatccna nctcgttacc aagcttggcg taatcctnng catagctgtt t              471

```

<210> 614

<211> 421

<212> DNA

<213> Homo sapien

<400> 614

```

gttatttttt agaatggctc tcccatcttg agtatgtgtg atgtttcctc atgtatgaat    60
gaagcatata catctttgtc agaagtatcc cagaagcaat tctgtactct cctcattatg    120
ttctattggg tgggccatgg tttttgattt gtctcattac tgatgatggg tacttttatt    180
atttgataaa ggttgatata aacttatcta ttatggcata atacattagc taaaaccttg    240
gcggtgtaaa acagcagata cttacgtttc tcataggaat ggctctattg agtacctctg    300
tctcaaggct tctcaagagt ttgtagctac cttgttggct ggggttgcgg tctgacctaa    360
aggcttagtt aggggggtgg agaaatcttc catatgttct ttgctacgtg gacctcacag    420
g

```

<210> 615

<211> 242

<212> DNA

<213> Homo sapien

<400> 615

```

cctcctatatt attctagcca cctctagcct agccgtttac tcaatcctct gatcaggatg    60
agcatcaaac tcaaactacg ccctgatcgg cgcactgcga gcagtagccc aaacaatctc    120
atatgaagtc accctagcca tcattctact atcaacatta ctaataagtg gctcctttaa    180
cctctccacc cttatcacia cacaagaaca cctctgatta ctctgccaat catgaccctt    240
gg

```

<210> 616

<211> 392

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(392)

<223> n = A,T,C or G

<400> 616

```

cctaatttgt agattgtgaa agcagctttt agtttaactt atttacagac cccttataat    60
taccatgttt ttttttttnt tcctaaatct nttggttcag cttgngaata ttacgtgccc    120
gtaaagtngg gatgttgaat nggcccttnt ttgttctggc agngagtcaa gngtccanca    180
ttttttcata agngtttttt aaaatngttc tccancattt tatggctcct ccctcccatg    240
tcctcaaacc cagcaaaagc gtanaggcan aattanagga cccncccgga cggccgntaa    300
gggcnaattc cagcncactg gcggccgtta ctagnnggatc cnagctcggn nccaagctng    360

```

gcgtaatcat ggncatagct gtttcctgtg an

392

<210> 617
<211> 215
<212> DNA
<213> Homo sapien

<400> 617
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactac cagttaaatt tacaagggga tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
ttgtgcctc tacctataaa tcttcccact atttt 215

<210> 618
<211> 433
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 618
cttttgtntg cctgttttgt ggactggctg gctctgttag aactctgtcc aaaaagtgca 60
tggaatataa cttgtaaagc ttcccacaat tgacaatata tatgcatgtg tttaaaccaa 120
atccagaaaag cttaaacaat agagctgcat aatagtattt attaaagaat cacaactgta 180
aacatgagaa taacttaagg attctagttt agttttttgt aattgcaaata tatatttttg 240
ctgctgatat attagaataa tttttaaatg tcatcttgaa atagaaatat gtattttaag 300
cactcacgca aaggtaaatg aacacgtttt aaatgtgtgt gttgctaatt ttttccataa 360
gaattgtaaa cattgaactg aacaaattac ccataatgga tttggttaat gacttatgag 420
caagctgggtt tgg 433

<210> 619
<211> 259
<212> DNA
<213> Homo sapien

<400> 619
ctgcagtgtc cttttttata tcatgctagt gttgagacat acttgactaa cttgggaaca 60
gttcgatata ttgacaaccg tcaacttaag aaaatcaaca gcttttggcc ccagcgtcca 120
agtgaacttt tcatggagtg cagaatctca aatggacaaa atactttgtc tttttaaata 180
ctgaaaattt aattattagt actatgactg aaagattcct catggctaaa aagctctgca 240
tcaaactcaa ttcaggagg 259

<210> 620
<211> 393
<212> DNA
<213> Homo sapien

<400> 620
ccaccaaagc cacacggaga ttctgtcagg cgctgagaca ccacagcctt ttcaatctta 60
gggaaagaaa tcaagtcata taaattaata tcaacaggta aggtcattga gcaattgtct 120
ttcaactgtc taagacttta tcaacttaaga tcataaacac agaagcagggt cataaaaaata 180

gcgtaatcat ggncatagct gtttcctgtg an

gctttttctta	aggttttagga	gaatttgtag	gggcacttac	ttgataatct	gaatttttcta	240
gtcagaagtt	taaataccac	cttttaaaaa	cataaaaattt	aatttgtaac	aagttattaa	300
caaagcagta	ttgtcgaaag	ttttaagctt	tctcccaata	atttaattac	attaattaaa	360
tttttaccat	tctaattggt	acaaagtaac	cag			393

<210> 621
 <211> 563
 <212> DNA
 <213> Homo sapien

<400> 621						
ctgacaatga	taaaattatc	tctatatggg	caaacgcgtg	ctctttgtcg	aagaagaaag	60
cttcagcttc	atgttccagg	tgagttaatt	aggcaatgta	tgaatgctaa	tatctctttc	120
acatattttg	cttaagatct	gtcttaggac	tctcgtctgg	cccatatggt	tttccaaggg	180
cagaagggcc	tctttttgat	gagaggcagt	tttcagtaac	tcttaaagtg	ataacagcaa	240
aggagaggag	agagaagagt	aagacaaatc	gaaacattct	tcaattgctt	cttggccttt	300
tggctaagct	caagctcaaa	acaggtcttc	aaggagaaaa	tacatcacia	agaaaaggat	360
gttttatttc	ttacctgtgc	ctagaaaaat	ttccataaac	tctattggct	taattctgta	420
aacttgacca	atatcagagt	gcttcctacc	aaggagggtg	gctgatgagc	gtgaccatgg	480
tacatcctag	aagaatgtgt	gatgaagaag	ctttcaccgt	gtaaaagagt	tgaaaattat	540
tcaaggagac	attatggtct	tgg				563

<210> 622
 <211> 505
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (505)
 <223> n = A,T,C or G

<400> 622						
tcttaagtgt	gtttaataga	taaagtaaac	tttcctagtc	aagggttaga	tttttattat	60
ctcttggtgt	cgcactttct	acttttcaac	tttgaacttc	aaaaaaacat	tactttgctt	120
atcctttgta	ctttgatcag	gttggttaga	attgtagatc	aaaccattct	ttgatcattt	180
tattgtttaa	atgnntagtt	ccattttataa	tttttatagc	caactctcgg	ttattttctgt	240
cttttgagat	tgcaattcag	aagctgtatg	tcgaagtaat	ttatgagttg	actttttatac	300
ttaggcttct	ttaaatacta	atagtcaaga	attctagagc	atctaataaa	aaattaactt	360
tcagatcatt	gggaatctgt	cctcatthta	atatgtgtaa	atgcatttcc	acagcaaatt	420
gcttcatgcc	ctttgnctat	aaggaaatta	ttccttgtag	ctaatacatt	tttcattttg	480
cagnccaaat	cttttttgag	aaagg				505

<210> 623
 <211> 489
 <212> DNA
 <213> Homo sapien

<400> 623						
cctactatgg	gtgttaaatt	ttttactctc	tctacaaggt	tttttcctag	tgtccaaaga	60
gctgttcctc	tttggaacta	cagttaaatt	tacaagggga	tttagagggt	tctgtgggca	120
aatttaaagt	tgaactaaga	ttctatcttg	gacaaccagc	tatcaccagg	ctcggtaggt	180
ttgtcgcttc	tacctataaa	tcttcccact	atthttgctac	atagacgggt	gtgctctttt	240
agctgttctt	aggtagctcg	tctgggtttcg	gggggtcttag	ctttggctct	ccttgcaaag	300

```
<210> 624
<211> 233
<212> DNA
<213> Homo sapien
```

```
<210> 625
<211> 459
<212> DNA
<213> Homo sapien
```

```
<210> 626
<211> 458
<212> DNA
<213> Homo sapien
```

```
<210> 627
<211> 393
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(393)
```

<223> n = A,T,C or G

<400> 627

ccatnngaac	gcactcagga	ggtgggttgt	tctggatgca	gaaaccagag	atctagtttc	60
tatccacaca	gacgggaatg	aacagctctc	tgtgatgcg	tactcaatag	atgggtacctt	120
cctggctgta	ggatctcatg	acaactttat	ttacctctat	gtagtctctg	aaaatggaag	180
aaaatatagc	agatatggaa	ggtgcactgg	acattccagc	tacatcacac	accttgactg	240
gtccccagac	aacaagtata	taatgtctaa	ctcgggagac	tatgaaatat	tgtactggga	300
cattccaaat	ggctgcaaac	taatcaggaa	tcgatcggat	tgtaaggaca	tttgattgga	360
ccgacatata	cctgtgggct	aggacttcca	gga			393

<210> 628

<211> 233

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (233)

<223> n = A,T,C or G

<400> 628

ctggatttat	aaaatagttg	aatgacaaaa	gaagnntggt	ttgacagtaa	aaaaaagaca	60
ttatggacaa	aatatgcaaa	atgtgcaaag	aaaaaataaa	tttgcattag	aaaggtgggc	120
atttgatctc	tgagccctgt	gccatgtaac	attgccatgt	tctttcactg	ttgtttgaat	180
gttgtagccc	ancccttgac	tctggactta	aggcaagcta	tgactggctt	tgg	233

<210> 629

<211> 450

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (450)

<223> n = A,T,C or G

<400> 629

ccnggacaat	ntaggcagga	gaaggaaata	aagggtattc	aattaggaaa	agaggaagtc	60
aaattgtccc	tgtttgcaga	tgacatgatt	gtatatctag	aaaaccccat	tgctcagcc	120
caaaatctcc	ttaagctgat	aagcaactcc	agcaaagtcg	caggatacaa	aatcaatgga	180
cacaaatcac	aaacattctt	atacaccaat	aacagacaaa	cagaggccaa	atcacgagtn	240
gaactctatt	ccaattgctt	tcaagaaaat	taaaatacct	agggatccaa	cttacaaggg	300
acatgaagga	cctcttcaag	gagaaactac	aaaccactgc	tcaatgaaat	aaaagaggat	360
acaaagaaat	ggaagaacat	tccatgctca	ttggtagctt	gatggggatg	gcattgaatc	420
tataaattac	cttgggcagt	atggacctca				450

<210> 630

<211> 486

<212> DNA

<213> Homo sapien

<400> 630

cctactatgg	gtgttaaatt	ttttactctc	tctacaaggt	tttttccctag	tgtccaaaga	60
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```

gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtgcctc tacctataaa tcttccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctgggttctg ggggtcttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420
ctatgccta tactttattt gggtaaattg tttggctaag gttgtctggt agtaagggtg 480
agtggg 486

```

```

<210> 631
<211> 211
<212> DNA
<213> Homo sapien

```

```

<400> 631
tttacataaa tattatacta gcatttacca tctcacttct aggaatacta gtatatcgct 60
cacacctcat atcctcccta ctatgcctag aaggaataat actatcactg ttcattatag 120
ctactctcat aacctcaac acccactccc tcttagccaa tattgtgcct attgccatac 180
tagtctttgc cgctgcgat gcagcggtag g 211

```

```

<210> 632
<211> 293
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

```

```

<400> 632
cagcgcaagt aggtctacaa gacgtactt cccctatcat agaagagctt atcacctttc 60
atgatcacgc cctcatagtc atttttcctt atctgcttcc tagtcctgta tgcccttttc 120
ctaactca caacaaaact aactaatact aacatctcag acgctcagga aatagaaacc 180
gtctgaacta ngctgcccgc catcatccta gtccctcatc cctcccatc cctacgcatac 240
ctttacataa cagacgaggt cnacgatccc tcccttacca tcaaataat tgg 293

```

```

<210> 633
<211> 263
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

```

```

<400> 633
nggtctgcag tgtccctttt tatatcatgc tagtgttgag acatacttga ctaacttggg 60
aacagttcga tatattgaca accgtcaact taagaaaatc aacagctttt ggccccagcg 120
tccaagtga cttttcatgg agtgagaat ctcaaattgga caaaatactt tgtcttttta 180
aatactgaaa attnaattat tagtactatg actgaaagat tcttcatggc taaaaagctc 240
tgcataaac tcaattcagg agg 263

```

<210> 634
 <211> 491
 <212> DNA
 <213> Homo sapien

<400> 634
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagttaaatt tgcaagggga tttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
 ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
 tggttataat ttttcatctt tcccttgccg tactatatct attgcgccag gtttcaattt 420
 ctatcgcta tactttattt gggtaaattg tttggctaag gttgtctggt agtaagggtg 480
 agtggggttg g 491

<210> 635
 <211> 270
 <212> DNA
 <213> Homo sapien

<400> 635
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gtagtatta gttagttttg ttgtgagtgtag taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg 270

<210> 636
 <211> 383
 <212> DNA
 <213> Homo sapien

<400> 636
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
 ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
 tggttataat ttttcatctt tcc 383

<210> 637
 <211> 537
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(537)
 <223> n = A,T,C or G

<400> 637
 ttttaatcct ggggtatata ggcagnactt taaattgcaa agtcttccgg gcctattttc 60

```

ctctacattt ttgtaattaa ctctgggggc ttacttgttt tggcagtact gaaatcaaag 120
gagctgggtc ttcttttctc ccaattatct tcatatgaaa gcacctacaa ttagcctgtt 180
agtcctattc agatacatca aatatcagtg aatgctttac tattcgaca ttttaagcatc 240
tttgttttac ataaaattag agtatgaaaa ccagtgttca attttttatc ttgttgagct 300
tgtaaaatgc cagcaattta aaactaggac ttttcccccc ataagccaag gaggtagaat 360
tactaataca aggggttaaag aaggtagatt ttgttttcaa tatttgggta atattagaaa 420
gattcttccc acaggaaga actagcaagt gtcccaattt tttccaaacg ttggggaggg 480
gaaaattcac tgtatcatga aaccctaagg gtttgngtgc acttcctgct ttttagg 537

```

```

<210> 638
<211> 445
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (445)
<223> n = A,T,C or G

```

```

<400> 638
ccagcagaac acagnagtga tttgggtccc tttgttcccc agtggggtat ctatccttgt 60
gcagggcaca agcctacatg gtggctctgg tcatatcatt agaaaataga cagaaatggg 120
ctgcacacca gaatgaatga attgaattga aaggaggagg tgatggtgga aaaaaaaca 180
agtcaattca ttttagactg tagaaccaga accactgtgt agtacatcca aacgggttaa 240
attccctgga agatgttaca taatcctatc atgggtgttta tttatggaaa tctattttaa 300
aaattttatg taatactgca cagtctgttt gcatgatgcc ttgtacgtag tagcaactca 360
gtaaatactt tttgaatgaa ctagtatagt attttaatta gctagtcttc gtgtactggt 420
acaaaagaac agtgtcatct tacag 445

```

```

<210> 639
<211> 584
<212> DNA
<213> Homo sapien

```

```

<400> 639
gcttgagtat tctatagtgt cacctaaata gcttggcgta atcatggtca tagctgtttc 60
ctgtgtgaaa ttgttatccg ctacacaattc cacacaacat acgagccgga agcataaagt 120
gtaaagcctg ggggtgcctaa tgagttagct aactcacatt aattgcgttg cgctcactgc 180
ccgctttcca gtcggggaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg 240
ggagaggcgg tttgcgtatt gggcgcctct ccgcttcctc gctcactgac tcgctgcgct 300
cggtcgttcg gctgcggcga gcggtatcag ctactcaaa ggcggttaata cggttatcca 360
cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga 420
accgtaaaaa ggccgcgttg ctggcgtttt tccataggct ccgccccct gacgagcatc 480
acaaaaatcg acgctcaagt caagaggtgg cgaaaccga caggactata aagataccag 540
gcgtttcccc ctggaagctc cctcgtgcgc tctcctgttc cgac 584

```

```

<210> 640
<211> 404
<212> DNA
<213> Homo sapien

```

```

<400> 640
ccataggaac gcactcaggc aggtggtttg ttctggatgc agaaaccaga gatctagttt 60
ctatccacac agacgggaat gaacagctct ctgtgatgcg ctactcaata gatggtacgt 120

```

tccctggctgt	aggatctcat	gacaacttta	tttacctcta	tgtagtctct	gaaaatggaa	180
gaaaatatag	gagatatgga	aggtgcactg	gacattccag	ctacatcaca	caccttgact	240
ggtccccaga	caacaagtat	ataatgtcta	actcgggaga	ctatgaaata	ttgtactggg	300
acattccaaa	tggctgcaaa	ctaatacagga	atcgatcgga	ttgtaaggac	attgattgga	360
cgacatatatac	ctgtgtgcta	ggatttcaag	tatttggtgt	ctgg		404

<210> 641
 <211> 138
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(138)
 <223> n = A,T,C or G

ctgtgacagg	aacattacct	gaagtgcagg	gtggttacct	gcacaaagtc	ccattttccaa	60
aaattttctgt	gtaattcacc	agaaattttg	gatggaataa	ttagaaaaaa	aaaaagaggt	120
taaaacntgt	aactcaaa					138

<210> 642
 <211> 381
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(381)
 <223> n = A,T,C or G

ctgtagggtg	aattttttacc	cagaaaagat	aggccctaga	agcctcattt	cttttctcca	60
tggaaaagga	cagccctctg	ctgcagcggt	caacttggtg	gtttactgac	agagtgaact	120
acagaaatag	cttttcttcc	taaaggggat	tggtctacat	tttgaagtta	ttttttaata	180
aaattgaatt	atgttgtgta	ttgtgcttcc	taataggaaa	tgcattattg	gactgttttt	240
gtaacatcct	gtttattgca	aataagctagt	atcgttcaaa	aactgtataa	aatacttttg	300
tacatattag	caatgtctaa	tttgatatata	cttcagttaa	atttccttaa	aacttgaaag	360
gggaccttgt	anaaattaaa	a				381

<210> 643
 <211> 403
 <212> DNA
 <213> Homo sapien

ccttcctaaa	aaatagtgg	gagctggagg	ctacttccgc	cttcttagcg	tctggtcaga	60
gagctgatgg	atatcccatt	tggtcccgac	aagatgacat	agatttgcaa	aaagatgatg	120
aggataccag	agaggcattg	gtcaaaaaat	ttggtgctca	gaatgtagct	cggaggattg	180
aatttcgaaa	gaaataattg	gcaagataat	gagaaaagaa	aaaagtcatt	gtaggtgagg	240
tggttaaaaa	aaattgtgac	caatgaactt	tagagagttc	ttgcattgga	actggcactt	300
attttctgac	catcgctgct	gttgctctgt	gagtcctaga	tttttgtagc	caagcagagt	360
tgtagagggg	gataaaaaa	aaagaaattg	gatgtattta	cag		403

<210> 644
 <211> 688
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(688)
 <223> n = A,T,C or G

<400> 644

cctatttatt	tgttttggcc	ctggatcttt	cctaatacaca	attatatattc	tttatttttg	60
cctttgagca	gtttcattta	tctttgtggg	caggaagat	taaataatgaa	attcagtcca	120
gtcattttgc	tactggttag	ctttagtttg	aggcaagtaa	aaatttttga	ttaaaattag	180
tttcttaaaa	ttatgccctt	gctttaccaa	ataatcaa	atggtctaaaa	ataagggat	240
gtaactttgc	attttgaaga	acaaaccaat	aatttttcat	gagccctact	cgatcttctt	300
taaagaagac	cttcctaaga	gacaattagg	gatgagtttg	attaatggga	aatagctcta	360
ggttagatta	ttttaaattc	catacaccaa	gtgatttaac	cacagtggca	gtggcagctt	420
ctgaaccgtc	aagtatgaac	atcacttaaa	aattaaaaga	tgcttaataa	taaactctta	480
attttcatta	agccaatctg	taattcagaa	gaaaagcata	tgtctgccat	gggactattg	540
cagtgcgtct	ccatcagtg	taacacagga	gagatatgtt	attttatgtg	tatgtcttag	600
tttgggatat	gtggtagtaa	gaacatgtca	agagtgcctt	tcttcaaacc	tgncagctca	660
actgangaaa	gacaggtact	tccattgc				688

<210> 645
 <211> 484
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(484)
 <223> n = A,T,C or G

<400> 645

ccaaatgtgt	ctccagccca	cacttccagg	tggcagagcg	agctctctat	tactggaata	60
atgaatacat	catgagttta	atcagtgaac	acgcagcgaa	gattctgccc	atcatgtttc	120
cttccttgta	ccgcaactca	aagacccatt	ggaacaagac	aatacatggc	ttgatataca	180
acgccctgaa	gctcttcatg	gagatgaacc	aaaagctatt	tgatgactgt	acacaacagt	240
tcaaagcaga	gaaactaaaa	gagaagctaa	aaatgaaaga	acgggaagaa	gcatgggtta	300
aaatagaaaa	tctagccaaa	gccaatcccc	aggtactaaa	aaagagaata	acatgaaaac	360
gcccaggggt	acttgaatgt	ttttataaga	taggaatata	tgtcttcacc	atgggggggg	420
gtctcggatt	tcactaacgt	tgtatatgaa	aatgggtgcn	ataaaaagta	cttttaaact	480
ttgt						484

<210> 646
 <211> 447
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(447)
 <223> n = A,T,C or G

<400> 646

gggtcgcggt	gaacaacttg	gttcaagatg	gtgggggcat	ttttagagcg	gcaataattg	60
aaaaaaaaag	cgaactctgc	cttgagagag	tagatgataa	gaaataaaaa	gggtgtttata	120
actattttgt	attataaagt	gggccttaga	gataggaaga	agaatgatgg	attccttttg	180
gatcaatcag	aaaggaaaca	cgaaagaaaa	gtcaggaagg	tagagagaga	aaaagggagg	240
gaaggagaaa	gaatgggaat	aaaataagga	ggtaagagat	actattttg	ctgagcaacc	300
agtgtgtttc	aggatgatac	aaagaaaaat	atagaataga	aataagtgca	ggcttggaat	360
cagctacaaa	tcctaaagat	gggtgtgtg	tggatgtgtg	tgtgtgtgtg	tgnacaccat	420
tgtgtgtttg	taaaatgtgt	atgtccc				447

<210> 647

<211> 388

<212> DNA

<213> Homo sapien

<400> 647

gaaggtgata	taaaatgact	gtcatcattt	ggagtgtgca	gtacagttac	ttcatgttcc	60
tcagggtttag	aacaatttcc	cctgcaagtt	ctcacacaga	taggcagaaa	tcataactaa	120
ttttggttta	tcactatggc	agcgttgaa	gaatttaaga	gaacctgcca	gtaagatttg	180
gaataagatt	ctatattatt	gcacccacag	aaaagaatgt	actgatatac	tataaactct	240
aggagaaaaac	ttaattgaaa	tagtgttatt	aagtgttgaa	agtaccataa	aaatataagg	300
gaaaataagc	tttctagaa	tttttcagtg	ttctagtttt	taaacagtga	tgttttttat	360
taacctattt	catccattca	aagacagg				388

<210> 648

<211> 632

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(632)

<223> n = A,T,C or G

<400> 648

cctggctggg	cntttgacct	gcgnttttaa	atnactcaca	gagggtgga	caggaggaag	60
agtgaaggaa	aaggtcaaac	ctgttttaag	ggcaacctgc	ctttgttctg	aattggctct	120
aagaacatta	ccagctccag	gtttaaattg	ttcagtttca	tgcagttcca	atagctgac	180
attgttgaga	tgaggacaaa	atcctttgtc	ctcactagtt	tgctttacat	ttttgaaaag	240
tattattttt	gtccaagtgc	ttatcaacta	aaccttgtgt	taggtaagaa	tggaaatttat	300
taagtgaatc	agtgtgaccc	ttcttgtcat	aagattatct	taaagctgaa	gccaaaatat	360
gcttcaaaaag	aagaggactt	tattgttcat	tgtagtccat	acattcaaaag	catctgaact	420
gtagtttcta	tagcaagcca	attacatcca	taagtggaga	aggaaataga	tagatgtcaa	480
agnatgattg	gtggagggag	caagggtgaa	gataatctgg	ggttgaaatt	ttctagtnt	540
cattccgtac	attttttagtt	agacatcaga	tttgaaatat	taatgttacc	tcctcaatgg	600
ggtggtatca	gacctgccc	ggcggnccgn	tc			632

<210> 649

<211> 300

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 649
 nggtgaagat agaanaaata taagcgaaat tggataaaat agcactgaaa aaatgaggaa 60
 attattggta accaatttat tttaaaagcc catcaattta atttctggtg gtgcagaagt 120
 tagaaggtaa agcttgagaa gatgaggggtg tttacgtaga ccagaaccaa tttagaagaa 180
 tacttgaagc tagaagggga agttgggttaa aaatcacatc aaaaagctac taaaaggact 240
 ggtgtaattt aaaaaaaact aaggcagaag gctttggaag agttagaaga atttgggaag 300

<210> 650
 <211> 498
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(498)
 <223> n = A,T,C or G

<400> 650
 ngtnctgnta aacagaagggt tacaangccc ttctggcttt aagcagtcac aggaatgtga 60
 cagacattcc tottagggag cgcctcctcc taggggtttcc tcatctgtct cacactgagt 120
 ggatgtaatg ctattttaat cctgctgtgg cccccaatac tagtacttgt ccataccttc 180
 ttgcattttt agcgtctgct ctgtgggggtt gttagggcct ggcactccca ggaactagtg 240
 ctaaagctgc atctntctct cccctctagg gatcgataaa gtttactgc agaaagtctc 300
 cactgoggta tgcctgacatc tgccctgaac cttcacccta cagcattaca ggctttaatc 360
 agattctgct ggaaagacac aggctgatcc acgtgacctc ttctgccttc actgggctgg 420
 ggtgatcctt ggtgcctttg tttccacaag gccttttctt gccccctgcc ttgccaagaa 480
 catttaatca gcacacag

<210> 651
 <211> 654
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(654)
 <223> n = A,T,C or G

<400> 651
 ctgaggggtcc ccagggtttct aaagctctca ggacgagaaa gtaggtccca agataaggag 60
 cctaaagggc ttttttcttt ctgtgtattc cttcttgccc tccaacatgg gtacagtcac 120
 aagagcatgt aacagagaag aaggactana cctaccattt tctggataaa gaattggaaa 180
 gaggatccac aggttaaccaa aaagtaccag ggaaatggca gagaaggaaa acctcaggag 240
 accaacctca taagtgggtat ttattagngc ctgggctcaa atccaaattg tacatgaata 300
 tgtctgggtcc tagataggggt accgaagact ttgaaagtga attttggtat atcattgccc 360
 agattccaga ctggntattg tgtgacacaa catacaggat atatctgaat agtgctcaga 420
 agagtttgaa aatgcaaatg atattaaaat aaagatgaaa aagagaaagc tggtcagaac 480
 ttgtggacat aacccttctg gatctgtngc ctgattaaaa aatagttgat attctcgaat 540
 gaattaaaac aagattttaga gactgagcat ggtagctnat tcttgtaatc caacnctttg 600
 ggaggggcaag gcaanagaat tgcttgcggc caggagtttt gagaccagct tggg 654

<210> 652
 <211> 293
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 652
 ngctctgttgc actgaggtga ctaaggatac attttgagga agtagctcca agaacatttc 60
 cattttcact gtgccttcac atacatctaa tggaaatgaa cagcaccctt catccatcca 120
 cggaagcgat taagaaaagg gtgggatgga aaaattaacc caacaatatt agatcaatac 180
 gtagtattta agngtccata atgtgccagg ctgaagatgc acgggaaaac cacactagcc 240
 ggtctgtcaa gggcttgaga ataccataaa caagaaaaca gacgaaccaa ttt 293

<210> 653
 <211> 294
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(294)
 <223> n = A,T,C or G

<400> 653
 ngtcaccac tgcagcccta catacagttg aaaaaaaatt ccattctgtt aacatttggt 60
 ttataagttt tcacgcaata cacaaaaaac ccctctgcac ttcttgtaaa gaacaaaaaa 120
 gatacacaa agttaagcgt aaagatcaca ggcaatagca ttcaaactg gatgtgggta 180
 gagaaaggag tacctggcat gagtacctgc ttagtttgac tgaatccttg atttttaatt 240
 tggcttttca tgggccgctc acaacaccaa cgctgtgtga ggtatggtag tcag 294

<210> 654
 <211> 250
 <212> DNA
 <213> Homo sapien

<400> 654
 ctgtccttga acaagtatca atgtgtttat gaaaggaaga tctaaatcag acaggagttg 60
 gtctacatag tagtaatcca ttgttggaat ggaacccttg ctatagtagt gacaaagtga 120
 aaggaaattt aggaggcata ggccatttca ggcagcataa gtaatctcct gtcctttggc 180
 agaagctcct ttagattggg atagattcca aataaagaat ctagaaatag gagaagattt 240
 aattatgagg 250

<210> 655
 <211> 494
 <212> DNA
 <213> Homo sapien

<400> 655
 ccattataat ttataaacac cattaccctt taaattctac cgattataag cagcgtaaaa 60

```

gtaactatat aaagcaaaca tcgcaaagga actctgcagg agctcttaat tcctttatgt      120
agctatcata aaattcactt tcctgaagac atttactctc attcacttcc aaactccaaa      180
cctttttctg gtagcaccac ttttgTTTTT aatagaaaga tgagttcata tctgtacatc      240
tctccaaagc tctaaggaat gagaaaagga tcctagtata ttgaaattac tgatgtttaa      300
tacctctgcc ttttctactaa aagccattta atatttttaa agtcaaaact tgacatacac      360
gtatttataa ggaatctcca tgactctgaa ggaatgaaat tgatgtaggt agctttggct      420
atgtaaagac atagtagagg acaattactt aaagaagagt tttcttttga ggattttag      480
atttgactaa gcag                                         494

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```

<210> 656
<211> 477
<212> DNA
<213> Homo sapien

```

```

<400> 656
cgcgttactg tacatattgc tagcaggaga caactggaaa tactaaacaa atactggaat      60
tcacattaca gacagacgaa accaacaatgg atgccacaca taacttcctt tgtagtttca      120
cagagggcct atttgtggtt gctcagggtgg ggtcatacat tgcttgacaga aatggcctga      180
tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg      240
aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac      300
agagaatcac tctcaaattt aacccaagat aagcaatagg atttgggggt gacttgtaga      360
catttctaac aacacttttc ttttttctag aggtcactct caaacactga tatatcacta      420
tagtttgagt gtagggattc agtaatcaaa ggttggttatt gcaaaagagc caggcag      477

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```

<210> 657
<211> 576
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (576)
<223> n = A,T,C or G

```

```

<400> 657
cctctacctg tanatcacta ttttttctaaa gacaatttgg tgttttgaag ataaatgtca      60
ttagtctatg ataatagcat cataggacaa ttagccattt tagacttgac catattttct      120
cttttttagca tatagccatc ttgatattta ggtgggagac tactccaatg gagcaacagt      180
ttcatttttac atgattggat ttagaaattt acaaatttta aactcataag aattctaaat      240
aatttgaaaa tggaaacatt tgaccacacag tctagcagca taaatacatt tataaaatac      300
ttcattgttg atcttaggtc attgatattta aacagaattt ggtgactatg ggcagggtgga      360
gggggccagt gaggaaggta taaaagagaa atctttatga attgtgttca gattgatttt      420
gtataaacat aatatattca tggttgatc tcttatttat aatacccaac taacatgaag      480
gtggtccaag ggaaggatca atatttttaa taacatattt gcttaaaata tcatacagt      540
gctgcttcac aaaaaatctt ataaactttt attacc                                         576

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<210> 658
<211> 344
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1) ... (344)

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<223> n = A,T,C or G

<400> 658

cctgaaaaga	aagntgctct	tatggactct	tgcatgttaa	gactatgtct	tcacatcatg	60
gtgcaaatca	catgtaccca	atgactccgg	ctttgacaca	acaccttacc	atcatcatgc	120
catgatggct	tccacaaagc	attaaacctg	gtaaccagag	attactggtg	gctccagcgt	180
tgttagatgt	tcatgaaatg	tgaccacctc	tcaatcacct	ttgagggcta	aagagtagca	240
catcaaaagg	actccaaaat	cccataccca	actcttaaga	gatttgtcct	gggtacttcag	300
aaagaatttt	catgagtgtt	cttaattggc	tggaagca	ccag		344

<210> 659

<211> 230

<212> DNA

<213> Homo sapien

<400> 659

ctgctttccc	tgctaaacag	ttccagagca	aaagcagcaa	aaagaaaata	tgggagggat	60
atgggcaacg	tatactcgaa	cgtacgcaga	gaagagagta	cggttagctc	taatatttct	120
cattgaactt	gggtggtatg	gccttccttg	catataaggc	catagtgtct	ttttgggagc	180
gctagaatat	ccatccactt	gacagtgacc	acaaaatagg	ctgtttccag		230

<210> 660

<211> 80

<212> DNA

<213> Homo sapien

<400> 660

ctggtccttg	ttaaactcga	tcaccacttt	ggagagatcg	actggaggct	cctgggtgtt	60
ctgagggggc	tgggggacag					80

<210> 661

<211> 535

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(535)

<223> n = A,T,C or G

<400> 661

ctgaaccata	tctgattaac	tctttggtct	ctgttattgg	aacaaaaccg	acgctatgcc	60
tgagccgcc	agactgcaac	caaaaacaca	gtttggggtc	agaagacatt	aaaaatcaca	120
ataaaatagg	atgaatgttc	taagtcacgc	aactgaatca	aggcaccttt	ttttttcaaa	180
agcaaaaagt	tgtttaacaa	tattccagaa	tagtagatac	ttcaaaaacc	agattacagt	240
atatatcatt	ttgctgcaca	ttttagtcta	ttttctgtat	acatagtcac	acattcttta	300
ccctctccca	acttatacat	gctttatccc	cccagtcatg	tgctatgtag	gtataaaaaa	360
ataaagtgtt	atctaaacaa	gtgatttaaa	aaaaaaaact	aacgaatgcc	ncnatnataa	420
cnctgaactt	gtttccctnt	tgaaggacat	tggaaatgtt	accgaggttn	ntttacctng	480
gccgcaaccn	cnctangggc	naattccagc	ncactggggg	ccgttactag	gggat	535

<210> 662

<211> 257

<212> DNA

<213> Homo sapien

<400> 662

cctgactaaa	gcacatatca	cactccctac	acttccatgt	tttctctccc	atgtggaccc	60
tctgatgcat	atcaagattc	aagcgcctgt	tgtagccctt	cccacagtcc	tcacatttgt	120
atggcttttc	tacactgtga	actttttctt	gcactttaga	gaatgaattc	tgtacaatgt	180
tcttcccatg	ctgctcacat	ttgagagggt	tttctctgct	gtggcgtctc	tgatgggtca	240
gacgagttga	ggaccag					257

<210> 663

<211> 516

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (516)

<223> n = A,T,C or G

<400> 663

ccaattatag	gtatttttatt	ttttaagat	tagagngttc	ttgaagctct	ttctatttct	60
ttgtcaatga	actaaacatt	ggcaaatatg	tagggtttcc	cacataagaa	cattattaac	120
atcaaaatag	aaagctggtg	gtagaaataa	tgattgggaa	cacagagtct	ctactcagcg	180
ttctacttct	gccataccat	aactttgtga	tctcacgaaa	tatctctcca	tgttctcatc	240
cctatgtata	gtttctgtcat	ttttcaataa	gagctttttg	cttaattatg	aagtactagt	300
tactataacc	attatttttga	gcttcatgta	aatcaagaac	acatggactc	cacttgcaaa	360
acattgaaaa	tgtagttagg	gattgggggc	aaaaagcaac	attttaaaat	gtgtaaagac	420
aatgagtaag	caacaaagtg	tccaattttt	taggcgaaag	ttgcatatgt	caggaaaagg	480
caggattaag	taatagagaa	tttgaatgat	aactgg			516

<210> 664

<211> 212

<212> DNA

<213> Homo sapien

<400> 664

gtccgaggag	gttagttgtg	gcaataaaaa	tgattaagga	tactagtata	agagatcagg	60
ttcgtccttt	agtgttgtgt	atggctatca	tttgttttga	ggtagttttg	attagtcatt	120
gttgggtggg	aattagtcgg	ttgttgatga	gatatttggg	ggtgggggac	aatagagggg	180
gaaatagaat	gatcagtact	gcggcgggta	gg			212

<210> 665

<211> 408

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (408)

<223> n = A,T,C or G

<400> 665

atccaggggt	ncccggtngc	tgcnngggaaa	cctccagcct	tgttcttcaa	accactcagc	60
tcatgtgttt	tgcgctgact	agtactgaat	aatacaacca	ctcttattta	atgttagtat	120

tattttatttg	acaactcagt	gtctaacagc	ttgatatgca	ggtccttgca	tcctacattt	180
cttttaggaag	ttacccattt	gtaacttta	aaacaggaaa	aatatcagtt	ggcaaatgca	240
atcttttttt	tttttaagct	aaaggggggn	naacngnaan	naaaatnttt	ntgangtngg	300
gtctataagc	acccttgang	ggatntgtta	aaagnncat	naanggggga	ttctcntttt	360
gcaaaaaaat	ntaannatca	atttatanan	ctttattttt	nactttnt		408

<210> 666
 <211> 635
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

ctgaagnaca	agggtcaggc	aaaaataaga	tcacaatcac	caatgaccag	aatcgctga	60
cacctgaaga	aatcgaaagg	atgggttaatg	atgctgagaa	gtttgctgag	gaagacaaaa	120
agctcaagga	gcgcatgtgat	actagaaatg	agttggaaag	ctatgcctat	tctctaaaga	180
atcagattgg	agataaagaa	aagctgggag	gtaaaccttc	ctctgaagat	aaggagacca	240
tggaaaaagc	tgtagaagaa	aagattgaat	ggctggaaag	ccaccaagat	gctgacattg	300
aagacttcaa	agctaagaag	aaggaactgg	aagaaattgt	tcaaccaatt	atcagcaaac	360
tctatggaag	tgcaggccct	cccccaactg	gtgaagagga	tacagcagaa	aaagatgagt	420
tgtagacact	gatctgctag	tgctgtaata	ttgtaaatac	tggactcagg	aacttttgtt	480
aggaaaaaat	tgaaagaact	tancctctga	atgtcattgg	aatcttcacc	tcacagtggg	540
gttgaaactg	ctatagccta	agcnggctgt	ttactgnntt	ncattagcag	gtgctcacca	600
tgtctttggg	gtggnggggg	ggagaaagaa	agaan			635

<210> 667
 <211> 388
 <212> DNA
 <213> Homo sapien

gaagtgata	taaaatgact	gtcatcattt	ggagtgtgca	gtacagttac	ttcatgttcc	60
tcaggtttag	aacaatttcc	cctgtaagtt	ctcacacaga	taggcagaaa	tcataactaa	120
ttttggttaa	tcactatggc	agccgttgaa	gaattttaaga	gaacctgcc	gtaagatttg	180
gaataagatt	ctatattatt	gcatccacag	aaaagaatgt	actgatatac	tataaactct	240
aggagaaaac	ttaattgaaa	tagtggttatt	aagtgttgaa	agtaccataa	aatataagg	300
gaaaataagc	tttcctagaa	tttttcagtg	ttctagtttt	taaacagtga	tgttttttat	360
taacctattt	catccattca	aagacagg				388

<210> 668
 <211> 498
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(498)
 <223> n = A,T,C or G

<400> 668

tgatcttaac	aaaattcgta	gcagtggaaac	cttgaaatgc	atgtgggctag	atztatgcta	60
aaatgattct	cagtttagcat	tttagtaaca	cttcaaaggt	ttttttttgt	ttgttttcta	120
gacttaataa	aagcttagga	ttaattagaa	gaagcaatct	agttaaattt	cccatttgta	180
ttttattttc	ttgaatactt	ttttcatagt	tattcgttta	aaaagattta	aaaatcattg	240
cactttggtc	agaaaaataa	taaatatatc	ttatgaatgt	ttgattccct	tccttgctat	300
ttttattcag	tagatttttg	tttggcatca	tgttgaagca	ccgaaaagata	aatgatTTTT	360
aaaaggctat	agagtccaaa	ggaatgttct	tttacaccaa	ttcttccttt	aaaaatntct	420
gaggaatttg	ttttcgctt	actttttttt	cttctgtcac	aatgctaagn	ggtatccgag	480
gttnttaata	tgagattt					498

<210> 669

<211> 622

<212> DNA

<213> Homo sapien

<400> 669

ccttagccaa	agaatgcagt	ggagccttcc	cccttcaact	gcattgtgaa	tgaataccaa	60
ttaacagcat	aaaaattaat	agtcccatat	cagatctgga	aggggtttct	ggggctgtct	120
gatgtcccta	tcctgttgta	gtgaacacaa	tagcagaaaa	ttctttctgg	gtccatctgc	180
tataaagtct	tggtaaaaca	gcattactat	gaagaggatg	aactcaccta	ccttcagatg	240
gaggaaaagt	gaaaaggact	taggctttag	tcctccatga	cttttcttaa	gcactaccta	300
cctgtaataa	gctgagtgca	aaaggatgcc	gaagaaaatc	tgacccaga	agctgttaga	360
aagcactgca	gagaacaggg	tatgaagaaa	ataaagagtt	cttaataaac	ccttaagatt	420
ctttgttcaa	ggtaaccttg	ccaaaagggc	agagtaggtg	gcaaagagtt	gcttttaatc	480
tagctctaca	ctgcatttga	aaataaaaatt	tgcccatttt	gaatatattg	tttataatta	540
aatgtgcttt	ttacactgca	ggtcaatata	aaaactgggt	agtaaatttc	cagcgagcat	600
ttatgttcat	ttgctcacag	ca				622

<210> 670

<211> 477

<212> DNA

<213> Homo sapien

<400> 670

ttgggccctc	tagatgcatg	ctcgagcggc	cgccagtgtg	atggatatct	gcagaattcg	60
cccttgccgc	ccgggcaggt	gatggatgag	gagcaaaaac	tttatacgga	tgatgaagat	120
gatatctaca	aggctaataa	cattgcctat	gaagatgtgg	tcgggggaga	agactggaac	180
ccagtagagg	agaaaataga	gagtcaaacc	caggaagagg	tgagagacag	caaagagaat	240
atagaaaaaa	atgaacaaat	caacgatgag	atgaaacgct	cagggcagct	tggcatccag	300
gaagaagatc	ttcggaaga	gagtaaagac	caactctcag	atgatgtctc	caaagtaatt	360
gcctatttga	aaaggttagt	aaatgctgca	ggaagtggga	ggttacagaa	tgggcaaaat	420
ggggaaaagg	ccaccaggct	ttttgagaaa	cctcttgatt	ctcagtctat	ttatcag	477

<210> 671

<211> 127

<212> DNA

<213> Homo sapien

<400> 671

gtgtgtgtgt	ctacttgggc	gtgtttaacg	tgtgcgtttg	tgtctgcgtg	tgcatgtgtc	60
tgtgtgtgcg	cgtgtatttc	agtttggggt	gccggatccc	atatgattgc	gtgcctgtgt	120
acctgag						127

<210> 672

<211> 400
 <212> DNA
 <213> Homo sapien

<400> 672

gggtctgcac	agctatgtta	acagcatcct	tataccagga	gtaggaggaa	agacacgact	60
ggaaaagcaa	ttcaagctgg	tcacacagtg	taatgcaaaa	tatgtggaat	gtttcagtg	120
tcagaaagag	tgtaacaaag	aaaagaacag	aaactcttca	gttgtgccat	ctgagcgtgc	180
tcgagtgggt	cttgcaccat	tgcttggaa	gaaaggaaca	gattacatta	atgcttctta	240
tatcatgggc	tattatagga	gcaatgaatt	tattataact	cagcatcctc	tgccacatac	300
tacgaaagat	ttctggcgaa	tgatttggga	tcataacgca	cagatcattg	tcattgctgcc	360
agacaaccag	agcttggcag	aagatgagtt	tgtgtactgg			400

<210> 673
 <211> 600
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (600)
 <223> n = A,T,C or G

<400> 673

ctggcggttg	tcattagtga	atgtatgaca	gcaggatgtg	aggggatgcc	caggagtcag	60
tgtttagcatt	gtcatctgag	atcactgcta	ttaatatcat	ccattaattt	attagtgcgc	120
ttcactatat	gcagactggg	agataaggag	aaaatctgtc	acattctctc	tagctaatac	180
gatcagctac	caattaatga	gattctgaat	gaaatatcaa	tatgtgtttt	tctaatttgg	240
acctaggaca	gagctgttgc	ttgtcataga	gaaaaacaat	aatgcttaaa	catagcacat	300
tataattaaa	gcaggtttct	cacatacttt	tcattttatc	ctttggataa	ttttgtgagg	360
aacgcaggac	accaacttcc	ctttcataga	tacaatcccc	atgctattga	tgaaagtgtt	420
tttgaatgaa	gccatacaac	aaataactga	tcaaagtggc	attacaccaa	aatttcttag	480
taggactcct	gcatagaatg	tttagataga	cgtgaaaagt	ttgttcanga	ggaccagcaa	540
gagagaaaact	gggttctttg	ggaggggttc	ggtgctacat	ttataccctn	catcagagtn	600

<210> 674
 <211> 140
 <212> DNA
 <213> Homo sapien

<400> 674

ggtggttggt	gtaaatgagt	gaggcaggag	tccgaggagg	ttagttgtgg	caataaaaaat	60
gattaaggat	actagtataa	gagatcaggt	tcgtccttta	gtgttggtga	tggttatcat	120
ttgttttgag	gtaggtttga					140

<210> 675
 <211> 245
 <212> DNA
 <213> Homo sapien

<400> 675

ggtgggtggt	tggtgtaa	gagtgaggca	ggagtccgag	gaggttagtt	gtggcaataa	60
aaatgattaa	ggatactagt	ataagagatc	aggttcgtcc	tttagtggtg	tgtatggcta	120
tcatttggtt	tgaggttagt	ttgattagtc	attgttgggt	ggtaattagt	cggttgttga	180

tgagatatattt ggaggtgggg atcaatagag ggggaaatag aatgatcagt actgcggcgg 240
gtagg 245

<210> 676
<211> 621
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 676
ctgtccccag ggnaaatagt ngaattcaac taagatctgt taataagatg tcagaataac 60
taataatttt attaggaaaa aatcatgttt taaatttcaa aatgacactt atttgtcaag 120
taatatgata ttggaaaatt ttaaagaaaa ataatcctac ttataaacta cttttttata 180
attgttttca gaaaaaaagt ttacagtctt aaggaaaata ttcaggtcta tcatatgggt 240
tgacagattt tttaaaagtt atttttggta aggtcttctt ttagaaaaaa attaacttca 300
agggtttttt gtaccactat aatctccta acttactcag aattactgtg tatttactta 360
atttcttatt atgtgcctta ttatgtgctt aagatacaat aggttagagt ttaatctaaa 420
tatcttgaaa gctatattgt gggcttggta agcattttgt tttttcttct tctgttttgg 480
taaggattta aaattttttt cattgcaatt ttaagtgggt ttcaataagt aatagttttt 540
atcaaatttt tgggtgcttg tgcagagacg gcgtggggaa gggatgaatgg ttttggaat 600
aattcagtgc acacctgggg g 621

<210> 677
<211> 210
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(210)
<223> n = A,T,C or G

<400> 677
tttacataaan atattatcag catttaccat ctcacttcta ggaatactag tatatcgctc 60
acacctcata tcctccctac tatgcctaga aggaataata ctatcactgt tcattatagc 120
tactctcata accctcaaca cccactccct cttagccaat attgtgccta ttgccatact 180
agtctttgcc gcctgcgaag cagcggtagg 210

<210> 678
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 678
gtaggagtca ggtagttagg gttaacgagg gtggtaagga tggggggaat tagggaagtc 60

agggttaggg	tggttatagt	agtgtncatg	gttattagga	aatgagtag	atatttgann	120
aactgattaa	tggttgggnn	tgagtttnta	tatcacagcc	anaattntat	gatgnaccat	180
gtancgaaca	atgctacagg	gatgaatatt	atggagaagt	antctanttt	gaagcttagg	240
gagagctggg	ttgtttgggt	tgnggctcan	tgtcagttcc	anataataac	ttcttggtct	300
aggcacatga	atattgttgt	ggggaanaga	ctgataataa	aggtggatgc	gacaatggat	360
tttacataat	gggggtatna	gtt				383

<210> 679

<211> 371

<212> DNA

<213> Homo sapien

<400> 679

aaaatgaaaa	tattgacaag	agtttcagat	agaaaatgaa	aaacaagcta	agacaagtat	60
tggagaagta	tagaagatag	aaaaatataa	agccaaaaat	tggataaaat	agcactgaaa	120
aaatgaggaa	attattggta	accaatttat	tttaaaagcc	catcaattta	atttctggtg	180
gtgcagaagt	tagaaggtaa	agcttgagaa	gatgagggtg	tttacgtaga	ccagaaccaa	240
tttagaagaa	tacttgaagc	tagaagggga	agttggttaa	aatcacatc	aaaaagctac	300
taaaaggact	ggtgtaattt	aaaaaaaact	aaggcagaag	gcttttgga	gagttagaag	360
aatttggaag	g					371

<210> 680

<211> 176

<212> DNA

<213> Homo sapien

<400> 680

cctaggattg	tgggggcaat	gaatgaagcg	aacagatttt	cgttcatttt	ggttctcagg	60
gtttgttata	attttttatt	tttatgggct	ttggtgaggg	aggtaagtgg	tagtttgtgt	120
ttaatatattt	tagttgggtg	atgaggaata	gtgtaaggag	tatgggggta	attatg	176

<210> 681

<211> 152

<212> DNA

<213> Homo sapien

<400> 681

ctggagatgg	atatgagact	agtcaagatg	tgaatgctaa	ttggagagaa	atataatttt	60
aggaagatgc	acattgatgt	ggggttttga	tgtgtctgat	tttgactact	caagctctgt	120
ttacagaaga	aaattgaaatg	gcgaggggtg	gg			152

<210> 682

<211> 141

<212> DNA

<213> Homo sapien

<400> 682

ccagtgccttg	cttgccgtgg	tttagtgatt	gggtgttaga	aataaaaaact	caggtctatt	60
tcttaccagt	cagtaacaat	ttttagagaa	tgtacttggt	atataatata	tggacttcag	120
gaactttgtt	gggggtggggg	g				141

<210> 683

<211> 308

<212> DNA

<213> Homo sapien

<400> 683

ccagcaatgg	tacagagtga	gggtgttctg	ctaattgactt	cagagaagta	tttaagaaaa	60
acatagaaaa	acgtgtgcgg	agtttgccag	aaatagatgg	cttgagcaaa	gagacagtgt	120
tgagctcatg	gatagccaaa	tatgatgcca	tttacagagg	tgaagaggac	ttgtgcaaac	180
agccaaatag	aatggcccta	agtgcagtgt	ctgaacttat	tctgagcaag	gaacaactct	240
atgaaatgtt	tcagcagatt	ctgggtatca	aaaaactaga	acaccagctc	ctttataatg	300
catgtcag						308

<210> 684

<211> 277

<212> DNA

<213> Homo sapien

<400> 684

tggtattagg	attaggatgt	gtgaagtata	gtacggatga	gaaggttggg	gaacagctaa	60
ataggttgtt	gttgatttgg	ttaaaaaata	gtaggggat	gatgctaata	attaggctgt	120
gggtggttgt	gttgattcaa	attatgtgtt	ttttggagag	tcattgtcagt	ggtagttaata	180
taattgttgg	gacgattagt	tttagcattg	gagtaggttt	aggttatgta	cgtagtctag	240
gccatatgtg	ttggagattg	agactagtag	ggctagg			277

<210> 685

<211> 457

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(457)

<223> n = A,T,C or G

<400> 685

ctgtggcgtn	ccctacttct	cccaaaccct	gcaactccct	cccaggacag	tcagtgccaa	60
agaaacaggt	cgctgaaaac	taaaatgtcc	acatccctaa	ctggcaaccc	acatcaaccc	120
caaaaggttg	aagaatcatc	taagatatatt	cagatgctct	atgaagaaat	tcactttaac	180
acttataact	gtaagacttt	gcatacatta	caacagtgca	ttagtatac	aagttgtaaa	240
atacgtttcc	attccttttg	attttgcata	tgatggtttt	gcatcagtca	ctgcaggtag	300
attgagcaag	ctttttgtgt	ttgttttttt	aaacatgcat	tcaactagat	atgattcaga	360
atagattaat	actccctttt	tatcactaca	gtttagctaaa	aaattgccag	gcagtccaca	420
aaacagaatt	tgctttaaga	ccaacccaca	gagtcag			457

<210> 686

<211> 234

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(234)

<223> n = A,T,C or G

<400> 686

ntggatttat	aaaatagttg	caatgacaaa	agaagtatgt	tttgacagta	aaaaaaagac	60
------------	------------	------------	------------	------------	------------	----

attatggaca	aaatatgcaa	aatgtgcaaa	gaaaaaataa	atttgcatta	gaaaggtggg	120
catttgatct	ctgagccctg	tgccatgtaa	cattgccatg	ttctttcact	gttgtttgaa	180
tgttgtaccc	cagcccttga	ctctggactt	aaggcaagct	atgactggct	ttgg	234

<210> 687
 <211> 315
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(315)
 <223> n = A,T,C or G

nngtctgtga	aaaactcttt	ggatgattct	gccaaaaagg	tacttctgga	aaaatacaaa	60
tatgtggaga	atthttggtct	aattgatggt	cgccctacca	tctgtacaat	ctcctgtttc	120
tttgccatag	tggtcttgat	ttgggattat	atgcaccctt	ttccagagtc	caaaccggtt	180
ttggctttgn	gtgtcatatc	ctatthttgtg	atgatgggga	ttctgaccat	ttatacctca	240
tataaggaga	agagcatctt	tctcgtggcc	cacaggaaag	atcctacagg	aatggatcct	300
gatgatattt	ggcag					315

<210> 688
 <211> 522
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(522)
 <223> n = A,T,C or G

ctgaattaga	ggaggagaaa	agaagccatt	nnggagtact	ttaattgttt	agatgtgaga	60
ggctgaatgt	ttgggttaag	atgttagttg	tcagaatcat	gagaaaagg	tttaagcaag	120
gggcatttct	aattctaaaa	ataacaacta	ctgttattta	ttgagcacta	tctttttgtt	180
gggtactgtc	taaagtactt	gattttatttt	ttaaaacctt	acaaaaaact	tacaaggtag	240
gtactgaaag	attcagtaat	ttgttcaaag	tcacacagca	aataagcaac	agactctgga	300
tttgaaccag	gcaatcctag	agcctgtact	gttagtaatt	atacttttagc	acctgtcaag	360
aattcctgtt	gagtgtcaag	aagcaancac	caagtttagga	tttaaagcaa	acatgattga	420
agaatactgt	gggtgtgggtg	acagttagtg	ctaagtctgt	tttcagagtg	aaaaatgaca	480
aattagattt	taagtatggt	ttggagataa	tatcaggaca	gt		522

<210> 689
 <211> 158
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(158)
 <223> n = A,T,C or G

<400> 689

tetcaactta	ntntnatacc	cacaccacc	caanaacagg	gtttgttagg	nattgtttgc	60
attaataaat	taaagctcca	tagggctctc	tcgtcttgct	gtgtcatgcc	cgctcttca	120
cgggcaggtc	aatttcactg	gttaaaagta	agagacag			158

<210> 690
 <211> 300
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1) ... (300)
 <223> n = A,T,C or G

tagaactcgt	atTTTTaaac	ttctattctc	tanccttttc	cactacatta	tgacacaaga	60
ccctgcagaa	agtcgtctgg	aaaatatcag	accatctctt	acttgtccca	tccaatctta	120
catcgaatta	tatgcaccct	taaaaagtta	tttgagttt	taaaaaactc	tattagccca	180
aattacctga	aataaactcc	tggcttgctc	ccctaattgt	tataaaaaat	tgattgaaaa	240
tattcatttt	aaaaatgaag	ntcttgaatt	tatttaaatt	actgtcttgc	agtgagttgg	300

<210> 691
 <211> 305
 <212> DNA
 <213> Homo sapien

ctgttcagaa	agctcattgg	acctggtttt	gaaaataaaa	caaagttaaa	accctgggag	60
gagttattgt	gcagtgtgga	gtactcaggc	tttcttataa	agaaaaaaaa	agttatctgg	120
taccaaagtg	tgcaacctac	agaccctcag	gtactgcctc	gtgacttctc	tgtatgacat	180
cacaaggctg	ccaagtgcct	gtttttctag	aactaggagt	tggtgagggt	tggctagtgc	240
tgaaaccatg	cataggattg	gtttactaaa	ttaaaacctt	attacgtacg	tcctccaaaa	300
gacag						305

<210> 692
 <211> 582
 <212> DNA
 <213> Homo sapien

caggaaatgg	ataaccattt	taactgtatt	ttttgcagcc	cgtaccttct	tggaataaca	60
attgtctaac	tttttatatt	tgggtctggc	gttgtggtgt	gcaaaactcc	gtacattgct	120
atTTTgccac	actgcaacac	cttacagatg	tggaagatgt	gaaatttgct	atcaattatg	180
actaccctaa	ctcctcagag	gattatattc	atcgaattgg	aagaactgct	cgcagtacca	240
aaacaggcac	agcatacact	ttctttacac	ctaataacat	aaagcagggt	agcgacctta	300
tctctgtgct	tcgtgaagct	aatcaagcaa	ttaatcccaa	gttgcttcag	ttggtcgaag	360
acagaggctg	aggtaaggat	gactgatagg	aaatgttggt	agttacgagt	cacatcgttg	420
tctacaaatc	cattttaaag	gtattggagg	gtgagtaaaa	ccttgaatgt	gaaaacttaa	480
gctgaaaaat	tgtaaaaaaa	tttcacgcct	accatgaata	gatctgtttc	tttctgtcca	540
caatgatttg	tgtcatagac	ataattgatc	aatttgcaat	tg		582

<210> 693
 <211> 275
 <212> DNA

<213> Homo sapien

<400> 693

ccaattgatt	tgatggtaag	ggagggatcg	ttgacctcgt	ctgttatgta	aaggatgcgt	60
agggatggga	gggcgatgag	gactaggatg	atggcgggca	ggatagttca	gacgggttct	120
atttcctgag	cgtctgagat	gttagtatta	gttagttttg	ttgtgagtgt	taggaaaagg	180
gcatacagga	ctaggaagca	gataaggaaa	atgactatga	gggcgtgatc	atgaaagggtg	240
ataagctctt	ctatgatagg	ggaagtagcg	tcttgg			275

<210> 694

<211> 397

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (397)

<223> n = A,T,C or G

<400> 694

nggtctgcat	ttttattgcg	atctgcagat	gaactggaaa	atctcatttt	acaacagaac	60
tgagacagac	gaccaccata	ttcactgagg	tctaaatttg	cagtttccac	taatgacatt	120
ttgatttccc	aacagagata	cttctgggtct	tactgcacag	tcttttaaga	gaaatacttc	180
cattatgcca	cattgtcctt	gatccgtaag	tgatgtgtta	aggtgcctca	aagggaactct	240
gacctctgaa	gtacttgagc	tacttttagta	tgtccagcct	attgcttttt	gttttagtgt	300
gtcaccataa	atatcagggg	cataaaaaggc	tatctattct	taattcaagg	ataaaacaga	360
agaagcttgt	ggtataaaaac	aatagttcaa	gatccag			397

<210> 695

<211> 609

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (609)

<223> n = A,T,C or G

<400> 695

ctgagcttcc	atttgtcagc	tagcaactgng	gtagtcaacc	atgcgaatga	ggctattttg	60
gacctcatga	ttgtccagtg	cctgggctga	taccgnggga	aacgaaattt	tgtggctgcc	120
cacaaaatca	tggaataa	tgatttttta	gaaaacctcc	actgnittgt	tgtgcagcaa	180
taaataactg	aaacaccaat	ccaaaaaact	tataaagcta	taacaattaa	aacagnataa	240
taatagtncc	gggatacaaa	aatgggtcaaa	ttgaagagga	tacaaagcct	caaagcagtc	300
ctcactcata	ananccttgt	tgtatcacta	aaanggcatt	aaaattgaga	anaaggaana	360
actagtggat	taattaataa	atgagaagta	tccataagga	aaaattaaaa	ttnnattctt	420
gcttcacatt	atgaaaaaat	acaaacaaca	gattgattaa	agacttaaat	gngatcaaca	480
aaatgttaaa	actgtgataa	gaacatttaa	gaaaatagtt	ctatnaccct	gggataaaac	540
attttcntcc	aaggcattaa	agtgttaaat	gaaaagactg	atncatttat	tcattagaat	600
ttaaattcn						609

<210> 696

<211> 300

<212> DNA

<213> Homo sapien

<400> 696

ctgcaaaata agcgtgctaa attaaattgt ctttaaggttt ttccacttca ttttgtgact	60
ttgtgtgggt cgaatttctc agtattttta ccagtggtgt gatgttaaag tcaaaggctg	120
cagtatgtct atattcttgc tgtactcatt ggtagtttca gtatatgtaa tgtgagttta	180
aatagtgaat ttgtatctca tattaacatt tcaaagtctc atattgaaaa tggaaaatag	240
taaacacggg aattgatttt attctggttg tctataatac ttcattttta atgtaaattg	300

<210> 697

<211> 391

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(391)

<223> n = A,T,C or G

<400> 697

nngtcatgtn tgatgnatct gancaggttg ctccacaggt agctctagga gggctggcaa	60
cttagagggtg gggagcagag aattctctta tccaacatca acatcttggg cagatttgaa	120
ctcttcaatc tcttgcactc aaagcttggt aagatagtta agcgtgcata agttaacttc	180
caatttacat actctgctta gaatttgggg gaaaatttag aaatataatt gacaggatta	240
ttggaaattt gttataatga atgaaacatt ttgtcatata agattcatat ttacttctta	300
tacatttgat aaagnaaggc atggttgttg ttaatctggt ttatttttgn tccacaagtt	360
aaataaatca taaaacttga acaaaaaaaaa a	391

<210> 698

<211> 536

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(536)

<223> n = A,T,C or G

<400> 698

ctgagcatat agcaataaaa ataacataat ttttatgtgt acaatattta tggaatacgt	60
tactggaaca gataaataat ttagttaata acatgacaaa gaacagaaat tgtatacact	120
atacagcata gtaatagaat aatgaatgat taaagttatt aatattaggt agaaaatgaa	180
gggtatcttt gagagcagaa ctcaaggaag caagcaattt gccttatgag gaaagagtta	240
cctgtggata aaggagaaac tgaaaaattt acaagtcaag actttttgag caaagacaaa	300
aatatgacta tgagtcacca attcagtaca gtgaaaaaaa agttgaagag atatcttgga	360
agtaaaccat gttgtggaag agcagggttt tgataatcat gggattattc tgaatgaatt	420
ttaaatgcga taggaatata tgagataatt tcaccagaga ataatatgat catgtttgca	480
tttcaaaggg gtgtatcttg tgcactgngt agaataaata ggntatgtga gcaagt	536

<210> 699

<211> 419

<212> DNA

<213> Homo sapien

<400> 699

```
<210> 700
<211> 336
<212> DNA
<213> Homo sapien
```

ccacttattg	tcttaaaaa	tccatactga	tacatggaca	gtaagtgtgt	tttcagatgg	60
agtaccagca	cggaaaatgg	gttgagggag	gatgggttgt	atgtatgttt	ctgccacta	120
attttgagca	gccatattat	gaattaaatc	gtcacagcca	agtaataacc	caagaatggt	180
atgagtttca	tgtgtaatat	ctcaaatgga	ataagcatga	atgctggagt	ggaccattat	240
cctcaaatat	tctatgtcac	ttctcattta	aagactcttg	ttatgaacta	ttagaaactt	300
taggcaaaat	caaaagtatt	tgcgggcaaaa	taaagg			336

```
<210> 701
<211> 418
<212> DNA
<213> Homo sapien
```

ccatgtgtatg	atgttgacaa	cccctgaaga	gcctcagtc	attgttccac	gtttaagaac	60
taggaatacc	aggactgatg	caattctact	gggtcactat	cgcttgtcac	aagacacaga	120
caatcagacc	aaagtatttg	ctgtaataac	taagaaaaaa	gaagaaaaaac	cacttgacta	180
taaatacaga	tattttcgtc	gtgtccctgt	acaagaagca	gatcagagtt	ttcatgtggg	240
gctacagcta	tgttccagtg	gtcaccagag	gttcaacaaa	ctcatctgga	tacatcattc	300
ttgtcacatt	acttacaaat	caactgggtga	gactgcagtc	agtgcctttg	agattgacaa	360
gatgtacacc	cccttgttct	tcgccagagt	aaggagctac	acagctttct	cagaaagg	418

```
<210> 702
<211> 261
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G
```

gggcctgttg	tgggggtggg	ggaagcaggg	aggggaacag	ctaaatagggt	tgctgttgat	60
ttggttaaaa	aatagtaggg	ggatgatgct	aataattagg	ctgnggggtgg	ttgtgttgat	120

```
tcaaattatg tgttttttgg agagtcatgt cagtggtaga aatataattg ttgggacnat 180
tagnttttagc attggagtag gtttaggtta tgtacgtagt ctaggccata tgtgttggan 240
attgagacta gtagggctag g 261
```

```
<210> 703
<211> 261
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (261)
<223> n = A,T,C or G
```

```
<400> 703
gggcctgttg tgggggtggg ggaagcaggg aggggaacan ctaaataagg tgcgttgat 60
ttggttaaaa aatagtaggg ggatgatgct aataattagg ctnggggtgg ttgtgttgat 120
tcaaattatg tgttttttgg agagtcatgt cagtggtagt aatataattg ttgggacnat 180
tagnttttagc attggagtag gtttaggtta tgtacgtagn ctaggccata tgtgttggag 240
attganacta gtagggctag g 261
```

```
<210> 704
<211> 381
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (381)
<223> n = A,T,C or G
```

```
<400> 704
ngtntgaatt ctattaaaga taaaagagg agctggtacc atttcttctg aaactattac 60
aaacaactga aaaggtggaa tttctcccta attcatttta ggaggccagc attatactga 120
taccaaaacc tggcagaggt acaataataa aaggaaactt caagtcagta tcaactgatga 180
acaccaatgt gaaaatcctc aataaaatac tggcaaactg aattcagcag cacatcaaaa 240
agctaacca ccacaatcaa gtcagcttca tccctgcgat gcaagtctgg ttcaacatat 300
gcaaatcaat aaatacaatt catcagataa acagagctaa agacaaaatt cacatgattt 360
tctcaataga tgcagaaaag g 381
```

```
<210> 705
<211> 477
<212> DNA
<213> Homo sapien
```

```
<400> 705
ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagt attatgctac 60
ctttgcacgg ttagggtagc gcggccgtta aacatgtgtc actgggcagg cgggtgcctct 120
aatactggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga tttgccgagt 180
tccttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg 240
taataatgac ttgttggtga ttgtagatat tgggctgtta attgtcagtt cagtgtttta 300
atctgacgca ggcttatgcg gaggagaatg ttttcatgtt acttatacta acattagttc 360
ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat 420
tttttaggta gtgggtgttg agcttgaacg ctttcttaat tgggtggctgc ttttagg 477
```

<210> 706
 <211> 266
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 706
 ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60
 ggagggttagt tgtggcaata aaaatgatta aggatactan tataagagat caggntcgtc 120
 ctttagtggt gtgtatggct atcatttggt ttgaggntag tttgattagt cattgttggg 180
 tggttaattag tcggttggtg atgagatatt tggagggtggg gatcaataga gggggaaata 240
 gaatgatcag tactgcggcg ggtagg 266

<210> 707
 <211> 358
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(358)
 <223> n = A,T,C or G

<400> 707
 ccatcagaga aatgcaaatc aaaaccacaa tgagatacca tctcacacca gttagaatgg 60
 caatcattaa aaagtcagga aacaacagggt gctggagagg atgtggagaa ataggaacac 120
 ttttacaccg ntggtgggac tgtaaactag ttcaaccatt gtggaagtca gtgtggcgat 180
 tcctcaagga tctagaacta gaaataccat ttgaccagc cggccaatat tcaacattct 240
 taaaggaaag aattttcaac ccagaatttc atatccagcc aaactaagct tcgttagtga 300
 aggagaaata aaatacttta cagacaagca aatactgaga gattttgtca ccaccagg 358

<210> 708
 <211> 491
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(491)
 <223> n = A,T,C or G

<400> 708
 cctactatgg gngttaaatt ttttactctc tctacaagggt tttttcctag tgtccaaaga 60
 gctgttcttc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
 ttgtcgcttc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctt ccttgcaaag 300
 ttattttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
 tgggtataat ttttcatctt tcccttgctg tactatatct attgcgccag gtttcaattt 420

```
ctatcgcta tactttatgtt gggtaaattgg tttggctaag gttgtctggt agtaagggng 480
gagtgggttt g 491
```

```
<210> 709
<211> 460
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G
```

```
<400> 709
nggttttttt tgtagagcaa ataatttatg caaaatatgt tacaaaaatct gggatgctaa 60
atagttgaca caagtactgt gtttgacatt tagtttcatt tgaattagta atagaatttg 120
ctccttccaa catttacatc ttttttcttt ctgactttat atattttcaa taaaaatttg 180
ctccacagtt ttttaagntca ttcttcttga atccgntttt acatttgctg ngacaaacct 240
gcataaaact agattttata gatataactt ctttggaaga gataaaaaatt caaaagtttg 300
acattgcttt canttattct tttcttcatt gttttgattg gcccctgtta gattgatgta 360
ttgccaatct acttttgatg gcatgaatnt aaaatgacaa cataaaaaagc ncttctagtg 420
caacagtaat tgaaacttgc agttttccat taaaaaaaaa 460
```

```
<210> 710
<211> 542
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(542)
<223> n = A,T,C or G
```

```
<400> 710
ctgttacagt gacaagagat aaaaagatag acctgcagaa aaaacaaaact caaagaaatg 60
tgttcagatg taatgtaatt ggagtgaaaa actgtgggaa aagtggagtt cttcaggctc 120
ttcttggaag aaacttaatg aggcagaaga aaattcgtga agatcataga tcctactatg 180
cgattaacac tgtttatgta tatggacaag agaaataactt gttgttgcat gatattctcag 240
aatcggaatt tctaactgaa gctgaaatca tttgngatgt tgtatgcctg gtatataatg 300
tcagcaatcc caaatccttt gaatactgtg ccaggatttt taagcaacac tttatggaca 360
gcagaatacc ttgcttaatc gtagctgcaa agtcagacct gcatgaagtt aaacaagaat 420
acagtatttc acctactgat ttctgcagga aacacaaaat gcctccacca caagccttca 480
cttgcaatac tgctgatgcc ccagtnagg atatctttgt taaattgaca acaatggacc 540
tg 542
```

```
<210> 711
<211> 394
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G
```

```

<400> 711
caaaccact ccaccttact accagacaac cttagccaaa ccatttacc aaataaagta 60
taggcgatag aaattgaaac ctggcgcaat agatatagta ccgcaaggga aagatgaaaa 120
attataacca agcataatat agcaaggact aacccttata ccttctgcat aatgaattaa 180
ctanaaataa ctttgcaagg agagccaaag ctaagacccc cgaaaccaga cgagctacct 240
aagaacagct aaaagagcac acccgtctat gtagcaaaat agtgggaaga tttataggna 300
gaggcgacaa acctaccgag cctgggtgata gctgggtgtc caagatagaa tcttagttca 360
actttaaatt tgccacaga accctctaaa tccc 394

```

```

<210> 712
<211> 552
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (552)
<223> n = A,T,C or G

```

```

<400> 712
gaggctctgta naatgccagg ctcaaatttg tctttataat ttaataccag aaatctttcc 60
cttgtgatgt ttctttcttt ctggattgcc tctatagcag gggatagcgg gggaggataa 120
ggcacatctt tgntgtactg agaaatttga ccacgcagga tgatgtggct gttctcattc 180
atctgcacag agaaaaataa tgataaaata tccctttcct atgtttactg attttatggc 240
tgccataatg gaagcctcct tgactattta atcctttctg tcaactaggt tcgatttttt 300
ttttaattta cctgttagag gtatttaana attttaacta gctanaaata attacattcc 360
aaaggaacac caaggcaaat aaatggttgg taatcagcaa aagaattaca ttagttgttg 420
ntgctactta ttagggggag aactgttttt ttttaaattt aaacaattta ataatctcaa 480
ctgcaataaa ttttagatgc agcaaaggac tatgtagncg ttaatacctc atgttgatat 540
tttcataata tt 552

```

```

<210> 713
<211> 518
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (518)
<223> n = A,T,C or G

```

```

<400> 713
ccaaaaactg gaagcagctc actaaacaaa cagtggcata cccatagaac tgcatacttc 60
tcagcagtat gaaagaatga gctacttata taagcatcat tgataaacct caaaaaaaaaa 120
atgccacatg aanaaaccca aagggganaa acataaaaac tttatatgtc agtcatataa 180
aattctanaa aatgcaaact aatccatcnt aaaggaaagt aaatcaacag ttgtctggag 240
gaccananag agcaggagga ganagattat taaaggggtt aaagtaaatt tgggagtgcc 300
cttcnttttt taaatnctat gaaaatgaaa gttaaaggcnc atgcatgttg taaactaata 360
gtaacaaaca naatgggttg gagtggggtg ttgtctgggg acatcattac aaaatgtaag 420
ccagtttatn taaattttga aaagaccgtg gactctgadc tgactgatna atgttggaag 480
agataagtgt gctgcaaatg ggggaattaa taaaacag 518

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<210> 714

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<211> 281
 <212> DNA
 <213> Homo sapien

<400> 714
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tcttgtagac c 281

<210> 715
 <211> 443
 <212> DNA
 <213> Homo sapien

<400> 715
 cttgaaatca gcaacacact taaaaatgag aaaatgaaaa tagaagagta tataaagaaa 60
 gggaaagagg attatgaaga gagtcacacag agagctgtgg ctgcagaggt atccgtactt 120
 gaaaactgga aggagagtga agtggtataag ctacagatca tggagtcaca agcagaagcc 180
 tttctgaaga agctggggct gattagccgt gatcctgcag catatcccga catggagtct 240
 gatatacgtt catgggaatt gtttctttct aatgttacaa aagaaattga gaaagcaaa 300
 tctcagtttg aagaacaaat taaggcaatt aaaaatgggt cccggctcag tgaactttct 360
 aaagtgcaga tttctgagct ttcatttctt guctgtaaca cggttcatcc cgagttactc 420
 cctgagtcct caggccacga tgg 443

<210> 716
 <211> 639
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (639)
 <223> n = A,T,C or G

<400> 716
 ccaanaaaaa tgaagtacag agtctgcata gtaagcttac agataccttg gtatcaaaaac 60
 aacagttgga gcaaagacta atgcagttaa tggaatcaga gcagaaaagg gtgaacaaag 120
 aagagtctct acaaatgcag gttcaggata ttttgagca gaatgaggct ttgaaagctc 180
 aaattcagca gttccattcc cagatagcag cccagacctc cgcttcagtt ctagcagaag 240
 aattacataa agtgattgca gaaaaggata agcagataaa acagactgaa gattcttttag 300
 caagtgaacg tgatcgttta acaagtaaag aagaggaact taaggatata cagaatatga 360
 atttcttatt aaaagctgaa gtgcagaaat tacaggccct ggcaaatgag caggctgctg 420
 ctgcacatga attggagaag atgcaacaaa gtgtttatgt taaagatgat aaaataagat 480
 tgctggaaga gcaactacaa catgaaatct caaacnaaat ggaagaattt angattctaa 540
 atgacaaaaa canagcatta aaatcagaag ttcagaagct gcagactctt gtttctgcac 600
 angcctaata aggatgntgn ggaacaaatg gaaaaattg 639

<210> 717
 <211> 473
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(473)
 <223> n = A,T,C or G

<400> 717
 nntgaggcta ctgctgtttt attacaacat tacctcttgt ttttataaaag tgtaccaaga 60
 tttaaattga taactttatt ttacttgaaa aaaaaaagtt tnttttatca ccagtgttac 120
 agttgtcttc tgtttctttt tgttttgntt tatttgnttt cctttttagc caaagagtga 180
 acagaanatt ttcttatttt ggtggctatt cattttactt ttaaaagtga ttggtggatt 240
 ttagactaat tatgggggaa ttgcccacca aaataaaaaa tatgtaaagn gtagtgatta 300
 cagagtgggt aaaatgtggg ttagtactta tttattccat taattgatta ttgactgtt 360
 tataaagaaa gttgctttat ttctttaaac atcttcaaaa gatgatcctt tcttgtcaca 420
 ttatagccaa aagaagcaga gaacttcact gtctgcattt ggttcctggt tgg 473

<210> 718
 <211> 207
 <212> DNA
 <213> Homo sapien

<400> 718
 ggtaaagtct agtataatat ttaccatctc acttctagga atactagtat atcgctcaca 60
 cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac 120
 tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180
 ctttgccgcc tgccaagcag cggtagg 207

<210> 719
 <211> 255
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(255)
 <223> n = A,T,C or G

<400> 719
 cctatattac ggatcatttc tctactcaga aacctgaaac atcggcatta tcctcctgct 60
 tgcaactata gcaacagcct tcataggcta tgtcctcccg tgaggccaaa tatcattctg 120
 aggggccaca gtaattacaa acttactatc cgccatccca tacattggga cagacctagt 180
 tcaatgaatc tgaggaggct actcagtaga cagnccacc ctcacacgat tctttacctt 240
 tcacttcatc ttgcc 255

<210> 720
 <211> 455
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(455)
 <223> n = A,T,C or G

<400> 720

ggtgaggcta ctgctgtttt attacaacat tacctcttgt ttttataaaag tgtaccaaga 60
 tttaaattga taactttatt ttacttgaaa aaaaaaagtt tnttttatca ccagtgttac 120
 agttgtcttc tgtttctttt tgttttgntt tatttgnttt cctttttagc caaagagtga 180
 acagaanatt ttcttatttt ggtggctatt cattttactt ttaaaagtga ttggtggatt 240
 ttagactaat tatgggggaa ttgcccacca aaataaaaaa tatgtaaagn gtagtgatta 300
 cagagtgggt aaaatgtggg ttagtactta tttattccat taattgatta ttgactgtt 360
 tataaagaaa gttgctttat ttctttaaac atcttcaaaa gatgatcctt tcttgtcaca 420
 ttatagccaa aagaagcaga gaacttcact gtctgcattt ggttcctggt tgg 473

```

ccaatgtcga aacctacaag atttccttaa aatctctaata agaggcatta cttgctttca      60
attgacaaat gatgccctct gactagtaga tttctatgat ccttttttgt cattttatga      120
atatcattga ttttataatt ggtgctattt gaanaaaaaa atgtacattt attcatagat      180
agataagtat caggtctgac cccagtggaa aacaaagcca aacaaaactg aaccacaaaa      240
aaaaaggctg gtgttcacca aaaccaaact tgttcattta gataatttga aaaagctcca      300
tagaaaaggc gtgcagtact aagggaacaa tccatgtgat taatgnttnc attatgttca      360
tgtaanaagc cccttatttt tagccataat tttgcatact gaaaatccaa taatcagaaa      420
agtaattttg ccacattatt tatnaaaat gttcc                                455

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<210> 721
<211> 530
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

```

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<400> 721
ccagtgttg ctgccgtggt ttagtgattg ggtgttagaa ataaaaactc aggtctatatt      60
cttaccagtc agtaacaatt tttagagaat gtacttggtg tataatatat ggacttcagg      120
aactttattg gggngggggg ttaattttgc cttaccctgt tcactttcag atgattaggc      180
ttttgcactt tagaatgaga aacttgtgac gttagtgtgt tcttactagc tttaatttgt      240
atgtagcaat gaattgtgaa tcttagtgca gtgggttttt ttaaaaaact caaaaagctg      300
ggaattaagt ggtttcagta ataatgctat accgaggtgc ttgcattgta tttcataatt      360
ttgttacaaa ccaaaattat ttttaatgan aacggtcttg ggttcagagg tgtgatgcca      420
gaatgtattt tcgtactgtt aggcccttgg aacagatacc ggtgctttct tgaaagatga      480
aagaaatgca atgggtgctc ttcatgcaag gttgcaaacc taccaagaat                    530

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<210> 722
<211> 242
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(242)
<223> n = A,T,C or G

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<400> 722
ccaagggcca tgatggcagg agtaatcana ggtgntcttg tgttgatgata agggngggaga      60
gggttaaagga gccacttatt agtaatgttg atagtagaat gatggctagg gtgacttcat      120
atgagattgt ttgggctact gctcgcagtg cgccgatcag ggcgtagttt gagtttgatg      180
ctcatcctga tnagaggatt gagtaaacgg ctaggctaga ggtggctaga ataaatagga      240
gg                                                                242

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<210> 723
<211> 472
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature

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<222> (1)...(472)

<223> n = A,T,C or G

<400> 723

cctactatgg	gtgttaaatt	ttttactctc	tctacaaggt	tttttcctag	tgtccaaaga	60
gccgttcctc	tttgactaa	cagttaaatt	tacaagggga	tttagagggg	tctgtgggca	120
aatttaaagt	tgaactaaga	ttctatcttg	gacaaccagg	tatcaccagg	ctcggtaggt	180
ttgtcgctc	nacctataaa	tcttcccact	atcttgctac	atagacgggt	gtgctctttt	240
agctgttctt	aggtagctcg	tctggnttcg	ggggtcttag	ctttggctct	ccttgcaaag	300
ttatttctag	ttaattcatt	atgcagaagg	tataggggtt	agtccttgct	atattatgct	360
tggttataat	ttttcatctt	tcccttgccg	tactatatct	attgcgccag	gtttcaattt	420
ctatcgctta	tactttattt	gggtaaatgg	tttggtctaan	gttgctctgg	ag	472

<210> 724

<211> 292

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(292)

<223> n = A,T,C or G

<400> 724

nccaccactg	cagccctaca	tacagntgaa	aaaaaattcc	attctgttaa	catttgtttt	60
ataagttttc	acncaatata	caaaaaaccc	ctctgcactt	cttgtaaaga	acaaaaaaga	120
tacacaacag	ttaagcgtaa	agatcacagg	caatagcatt	caaacatgga	tgtgggnaga	180
gaaaggagta	cctggcatga	gtacctgctt	agttngactg	aatccttgat	ttttaatttg	240
gcttttcatg	ggcgcntcac	aacaccaacg	ctgngngagg	tatggtagtc	ag	292

<210> 725

<211> 122

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(122)

<223> n = A,T,C or G

<400> 725

atagaaaggg	catacccaaa	atgttactga	aaatntaata	caaattccaa	gattcaccaa	60
ngaagtaaca	aaaacctggc	ctgcangngg	nccctatcc	cgtggctcca	tggnatgatg	120
gg						122

<210> 726

<211> 477

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(477)

<223> n = A,T,C or G

<400> 726

ctgaaccctc	gtggagccat	tcatacaggt	ccctaattaa	ggaacaagtg	attatgctac	60
ctttgcacgg	ttagggtagc	gcggccgtta	aacatgtgtc	actgggcagg	cggtgcctct	120
aatactgggtg	atgctagagg	tgatgttttt	ggtaaacagg	cggggtaaga	tttgccgagt	180
tcctttttact	ttttttaacc	tttccttatg	agcatgcctg	tgttggttg	acagtgaggg	240
taataatgac	ttgttggtga	ttgtanatat	tgggctgtta	attgtcagtt	cagtgtttta	300
atctgacgca	ggcttatgcg	gaggagaatg	ttttcatgtt	acttatacta	acattagttc	360
ttctataggg	tgatagattg	gtccaattgg	gtgtgaggag	ttcagttata	tgtttgggat	420
tttttaggta	gtgggtgttg	agcttgaacg	ctttcttaat	tggcggctgc	ttttagg	477

<210> 727

<211> 416

<212> DNA

<213> Homo sapien

<400> 727

cctgtctttg	aatggatgaa	ataggttaat	aaaaaacatc	actgtttaaa	aactagaaca	60
ctgaaaaatt	ctaggaaagc	ttattttccc	ttatatTTTT	atgggtacttt	caacacttaa	120
taacactatt	tcaattaagt	tttctcctag	agtttatagt	atatcagtac	attcttttct	180
gtggatgcaa	taatatagaa	tcttattcca	aatcttactg	gcaggttctc	ttaaattctt	240
caacggctgc	catagtgatt	aaccaaaatt	agttatgatt	tctgcctatc	tgtgtgagaa	300
cttacagggg	aaattgttct	aaacctgagg	aacatgaagt	aactgtactg	cacactccaa	360
atgatgacag	tcattttata	tcaccttcaa	ttaccecaaca	gctttttaata	gtctgg	416

<210> 728

<211> 416

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(416)

<223> n = A,T,C or G

<400> 728

cctgtctttg	aatggatgaa	ataggttaat	aaaaaacatc	actgtttaaa	aactagaaca	60
ctgaaaaatt	ctaggaaagc	ttattttccc	ttatatTTTT	atgggtacttt	caacacttaa	120
taacactatt	tcaattaagt	tttctcctag	agtttatagt	atatcagtac	attcttttct	180
gtggatgcaa	taatatagaa	tcttattcca	aatcttactg	gcaggttctc	ttaaattctt	240
caacggctgc	catagtgatt	aaccaaaatt	agttatgatt	tctgcctatc	tgtgtgagaa	300
cttacagggg	aaattgttct	aaacctgagg	aacatgaagt	aactgtactg	cacactccaa	360
atgatgacag	tcattttata	tcaccttcaa	ttaccecaaca	gctttttaata	ntctgg	416

<210> 729

<211> 564

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(564)

<223> n = A,T,C or G

<400> 729

ctgtgagtag	aggagtcttc	ccgagagtag	cagttgttga	tccaaatgat	tgaagccttc	60
aggtaagga	ataactgctg	caggaattct	ttcttgaaga	atttaagctg	tttggtaaga	120
attctgtaac	tacatacctt	tgaaacacta	ttcacattca	aataaacgct	tgttttctag	180
ccaggcacag	gctcaattag	tttttcaaac	tctagccaag	gcagtatttc	atttgggaaa	240
tcatgcaaca	gaactgctca	attcttaact	tctcctgctg	ttaacattta	cacttagact	300
gccagcaaca	gttaacttaa	attttggtct	caagggaaca	aaaaaaaaatt	gcattcagaa	360
tttaatatag	tattttaaaa	ctaattttag	cctgtaagnc	attatgagca	atagtaactt	420
ttatacctcc	tcactctgnc	tgataatata	ttctatatgc	tgncaatctg	attatatagt	480
ctatatgcta	gaagttgctg	attttcattc	tgccaccaa	aaaaactgtc	cttttttttt	540
tatgggggaa	aaaggaatt	taaa				564

<210> 730

<211> 310

<212> DNA

<213> Homo sapien

<400> 730

ccatttttat	ttcttcttca	gagaagtgtt	tatttaggtc	tgttgcccat	tttacaatta	60
ggccatatgt	ttcttctgctg	ttgagttgta	tgtgtgtttg	tataaatttt	gcatattaac	120
cccttatcac	acgtatgttt	tttaaaataa	attttgctta	ttaatctttt	atcagatgta	180
tggtttccaa	atatattctt	ccgatccatg	gattctcttt	tttgttatga	ttgtttcttt	240
gctcttcgga	agctttttgt	tttgttttgt	tatttgtttt	actttgatat	agtcccattt	300
attgtttttg						310

<210> 731

<211> 467

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(467)

<223> n = A,T,C or G

<400> 731

ngacaacctt	agccaaacca	tttaccctaa	taaagtatag	gcgatagaaa	ttgaaacctg	60
gcgcaataga	tatagtaccg	caaggggaaag	atgaaaaatt	ataaccaagc	ataataaagc	120
aaggactaac	ccctatacct	tctgcataat	gaattaacta	gaaataactt	tgcaaggaga	180
gccaaagcta	agacccccga	aaccagacga	gctacctaag	aacagctaaa	agagcacacc	240
cgtctatgta	gcaaaatagn	gggaagattt	ataggnagag	gcgacaaacc	taccgagcct	300
ggtgatagct	ggttgtccaa	gatagaatct	tagntcaact	ttaaatttgc	ccacagaacc	360
ctctaaatcc	ccttgtaa	ttactgnta	gnccaaagag	gaacagntct	ttggacacta	420
ggaaaaaacc	ttgtagagag	agtaaaaaat	ttaacaccca	tagtagg		467

<210> 732

<211> 492

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(492)

<223> n = A,T,C or G

<400> 732

```

cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga      60
gctgttcctc tttggactaa cagctaaatt tacaagggga ttttagagggt tctgtgggca      120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt      180
ttgtcgccctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt      240
agctgttctt aggtagctcg tctggnttcg ggggtcttag ctttggtctc ctttgcaaag      300
ttatttctag ttaattcatt atgcagaagg tataggggtt agnccttgct atattatgct      360
tggntataat ttttcatctt tcccttgccg tactatatct attgcgccag gtttcaattt      420
ctatcgccctc tactttattt gggtaaattg tttggctaag gttgtctggt agtgaggcgg      480
agnngggttg gg

```

<210> 733

<211> 562

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(562)

<223> n = A,T,C or G

<400> 733

```

ntgaaatggc aatagcattc actgtcgtat tttgcagtgc tcaggaagtg ggacgttaac      60
tttgaagggtg cttgtttgta ttagctctgc taggtttacc tctacaacgt agatttcagc      120
agctatgctg actgacacta cattctagtt ctttaagattt tttttccana tcccccttc      180
cccagctaga catacgtagc atactttcat cttattcagt ctttctgtaa cctgctgctg      240
cttttagtcc tccctcacctc agatcggaat caatggagtg ggcccagagg atacatttta      300
attccagtaa tggtaggtag atttgcctg ctttctaaaa catctcctca tttcatattt      360
ccactccata ttgattccat aagggaaaat taatgggtgn ttctccttt agggaggcaa      420
tgcaaagagn gtggacatct tctaactctg aggaacagtn gttgatttcc cttgaaggag      480
cttacatatt gactgtnttt cacaataacc tgnttgcccc agntcaatcc ctcatthta      540
tacttaatgt tggtnctggg ct

```

<210> 734

<211> 265

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(265)

<223> n = A,T,C or G

<400> 734

```

nggtccagaa caagagaaat aactgcagaa aacacatatg gttggaaacc atgcgcttgt      60
gacttttttct gtagcctatg ggagtggaca gactgggtaa cccaagatgt ttttaagact      120
gactggacta agaatggcgt acttatagcc aactacttcc cccctaattg gactgaaggg      180
attcataatg atcacaatta gcattacggt taagtatttt agggttgacg tctaagctca      240
cacttgaaag gtattttatct aatgg

```

<210> 735

<211> 216

<212> DNA

<213> Homo sapien

<400> 735

atttaatacgc	tgctcactgc	tcggcacgcg	ctgaagctac	agttaacaat	cagtgagcac	60
atattaaatg	ataaaataat	gctgatggta	aacattcata	acagcagagt	aagattttgg	120
cagttttgtg	tctcggtaac	ataactgtaa	ccttagatga	acacctatcc	cttcatgatc	180
tgacttttaga	ggcaaggagt	ttgtaacatc	taatgg			216

<210> 736

<211> 285

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (285)

<223> n = A,T,C or G

<400> 736

ctgaaaggca	acntggagac	tagttagtct	agtccctca	tattataaat	tggatgctg	60
aggccaggca	gtaaattgct	atggagctct	ccaatttaag	gccagtttga	ctccaagggg	120
agggcttcta	gtaaaatttt	gtgattaaat	tggaaactct	aatttatttt	tctatgngtt	180
tttggtacct	aatcctcata	agcaagccat	atttcaaggc	tgatcaatga	aaacacccaaa	240
taccaaagct	tcctttccct	tccaaattta	ctgacccttt	gtcag		285

<210> 737

<211> 509

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (509)

<223> n = A,T,C or G

<400> 737

agangaagaa	gangaagatt	aagggaaaag	tacatcggtc	aagaagagct	caacaaaaca	60
aagcccatct	ggaccagaaa	tcccagcgat	attactaatg	aggagtacgg	agaattctat	120
aagagcttga	ccaatgactg	ggaagatcac	ttggcagtga	agcatttttc	agttgaagga	180
cagtttgaat	tcagagccct	tctatttgtc	ccacgacgtg	ctccttttga	tctgtttgaa	240
aacagaaaga	aaaagaacaa	catcaaattg	tatgtacgca	gagttttcat	catggataac	300
tgngaggagc	taatccctga	atatctgaac	ttcattagag	gggtggnaga	ctcggaggat	360
ctccctctaa	acatatcccc	tgagatgttg	caacaaagca	aaattttgaa	agttatcang	420
aagaatttgg	gtcaaaaaat	gcttanaact	ctttactgaa	ctggcggaag	atnaagagaa	480
ctncaagana	ttctatgagc	agntctctt				509

<210> 738

<211> 97

<212> DNA

<213> Homo sapien

<400> 738

cagtgaattg	aatacgactc	ctatagggcg	aattggggccc	tctagatgca	tgctcgagcg	60
gccgccagtg	tgatggatat	ctgcagaatt	cgcctt			97

<210> 739
 <211> 209
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(209)
 <223> n = A,T,C or G

<400> 739
 ccgncagtgt gatggatatt tgcagaattc gcccttagcg gcccgcccgg gcagggtcct 60
 tatatatagt agcttagttt gaaaaaatgt gaaggacttt cgtaacggaa gtaattcaag 120
 atcaagagta attaccaact taatgttttt gcattggact ttgagttaag attatttttt 180
 aaatcctgag gactagcatt aattgacgg 209

<210> 740
 <211> 164
 <212> DNA
 <213> Homo sapien

<400> 740
 ccaagctaata ggggtgacct gtgaatgcaa ctctaattgca gcctggcgta aatggtccta 60
 tgggcactaa ctttcaagtt aacacaaaaca gaggaggtgg tgtgtgggaa tctggtgcag 120
 caaactccca gagtacatca tggggaagtg gaaatggcgc aaat 164

<210> 741
 <211> 514
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(514)
 <223> n = A,T,C or G

<400> 741
 ccagtcagaa ttgagatgtg ctgtgagtgc aaaatacact caaatctaag acttagtatg 60
 gaagaaaaag aagataaggt gnttcattaa taatctttta tattgattac atgttgaaat 120
 gatattttta atatactggg ttacataaac tgttattaag attaattttg cttgtttctt 180
 ttttaatatg gctactagaa aattaaaaat tatgttgttg ttcacattat atttctgttg 240
 aacaatgtgg acatagataa tctacagtca ttacattagc cttagaattt agcatcatal 300
 ttttaagcac tctgggggtac taacttgaac tcccagaaac ccataagcac actctgcata 360
 taaattattg caaaattcat tcttatctct ctgaaagata tgcatttttaa gggtaaaaaag 420
 aattcacaaa atattgantc cttacaaaat gtcaattagt atatggagag agctaaagga 480
 cttcntgtag actggtncat tggggaaaaa caga 514

<210> 742
 <211> 439
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(439)
 <223> n = A,T,C or G

<400> 742
 gcaggtccta tgcatagtta ataagggnta taatctactc aacatggaaa atgggagcct 60
 atttgcaaac acacgagtaa ttaaagtacc aattctctct tagtttcttt ttttatagtt 120
 ggnttatttt gcaattataa atgntaaaca tccctagaga tgaaagttaa aatggctgat 180
 cacagatcag tagcaaaata caaattgaca attcaaaatt ataaataaaa ctctgttgag 240
 gatgtttaac tttgagcctc caaatttaag agctaagctt ggaagaaaca aatttatagg 300
 ttatatttcc ctcttaaatt aaaaaacaaa cttcctctgg cagtagnttg tgaattcctt 360
 tcattgnaat gataccatga ttacaggatc aaaaatgctt aacttacttg ccattctgct 420
 cacatcatca cagttgttt 439

<210> 743
 <211> 275
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(275)
 <223> n = A,T,C or G

<400> 743
 cangacgcta cttcccctat catagaagag cttatcacct ttcattgatca cgccctcata 60
 gtcattttcc ttatctgctc cctagtctctg tatgcccttt tcctaacact cacaacaaaa 120
 ctaactaata ctaacatctc agacgctcag gaaatagaaa ccgtctgaac tatcctgcc 180
 gccatcatcc tagtctcat cgccctccca tccctacgca tcctttacat aacagacgag 240
 gtcaacgatc cctcccttac catcaaatca attgg 275

<210> 744
 <211> 295
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(295)
 <223> n = A,T,C or G

<400> 744
 ctgtnctttt aaaaaatctg gatgtttttt atttagtgat tgttcgacaa ttagctgctt 60
 caaaacataa tgtgcattgc ttatgaatgc cttcatatac taatacagat actctgataa 120
 tattacactc taataaggat aatgctgaat tttgaaagga caaaaacat ctaatgccaa 180
 tatatacatg attagccaac atctttgcta tcaagaccac tcgtttttta ataaagatgc 240
 aagtgtcagt tgtagattat tgggatgaag ctaaatcccc agaatgcagc agcag 295

<210> 745
 <211> 477
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(477)
 <223> n = A,T,C or G

<400> 745
 cgcgttactg tacatattgc tagcaggaga ccaactggaaa tactaaacaa atactggaat 60
 tcacattaca gacagacgaa accaacatgg atgccacaca taacttcctt tgtagtttca 120
 cagagagcct atttgtgggt gctcagggtg ggtcatacat tgcttgacaga aatggcctga 180
 tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg 240
 aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac 300
 agagaatcac tctcaaattt aaccaagat aagcaatagg atttgggggt gacttggtaca 360
 catttctaac aacacttttc ttttttctag aggtcactct caaacactga tatatcacta 420
 tagtttgagt gtanggattc agtaatcaaa ggttggtatt gcaaaagagc caggcag 477

<210> 746
 <211> 524
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(524)
 <223> n = A,T,C or G

<400> 746
 ctgtgaaatt ggggtgggag agccaaaata ctttacaact tcagaccgga gaaaaggcca 60
 gaggtgtgaa gtttagactct atgatgaaac agagtcgtct tttgcatga catgttggga 120
 taatgaatcc atttactttg cacagagctg gatgccacga gaaacagtaa tatttgctc 180
 agatgtaaga ataaattttg acaaatttcg gaactgcatg acagcaactg taatctcaaa 240
 aaccattatt acaactaatc cagatatacc agaagctaac attctgctga attttatacg 300
 agaaaataaa gaaacaaatg ttctggatga tgaaattgac agttatttca aagaatccat 360
 aaattttaagt acaatagttg atgtctacac agntgaacaa ttaaaggga aagctttgaa 420
 gaatgaagga aaagctgatc cttcctatgg catcctttat gcctacattt ccacactcaa 480
 cattgatgat gaaactcaaa agtagttcga aatagatggt ccag 524

<210> 747
 <211> 456
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(456)
 <223> n = A,T,C or G

<400> 747
 cctcagttct tgattgtggt tgacggggcg tcaccatgaa ggagcccatt tagtataaag 60
 cttccaacct tttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcattag 120
 ggagtttccg atgccagagg atgaaagcaa gtgctttctc caccctctcc tcccagagt 180
 aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc ttctcagtga 240
 cacaaaatac tgagaggtaa ctttttatca atcaaacac atacccaat ttaacacctt 300
 tcagtgtctc gaattcaact gacagactaa aggggtgtttc ctgtaacagt ctgaaatatt 360
 aagtgttttt tttgttttgt ttttaaatct tatttcagaa aacttcctct nggggtagga 420
 aagtacacat gaagcagcaa agtaacgaag aaaaaa 456

<210> 748
 <211> 474
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(474)
 <223> n = A,T,C or G

<400> 748
 ccnaccagg gaaccaaag cagacagnga agttctctgc ttcttttggc tataatgnga 60
 caagaaaggg atcatctttt gaagatgttt aaagaaataa agcaactttc tttataaaca 120
 gtcaaataat caattaatgg aataaataag tactaaccca cattttaacc actctgtaat 180
 cactacactt tacatatatt ttatttnggn ggcaaantcc cccataatta gtctaaaatc 240
 caccaatcac ttttaaaagt aaaatgaata gccaccaaaa taagaaaatc ttctgttcac 300
 tctttggcta aaaaggaaaa caaataaaac aaaacaaaaa gaaacagaag acaactgtaa 360
 cactggtgat aaaagaaact ttttttttac aagtaaaata aagttatcaa tttaaatctt 420
 ggncacttta taaaaacaag aggtaatgtt gtaataaaac agcagtagcc tcag 474

<210> 749
 <211> 355
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(355)
 <223> n = A,T,C or G

<400> 749
 cctgggttna gnggctgact gnaacctcca cttcctgttc tcaggcaatc ctccctgcctc 60
 agcctcctta gtagctggga ctacaggagt gtgcaaccat gcccaactaa tttttgtatt 120
 tttaatagag acagggtttc accatgttga tcagggttgg ctccaactcc tgacctcagg 180
 tgatccacct gtcccagcct cccaaagtgc tgggattaca ggcattgagcc accacgcccg 240
 gnccaggata aagtaaaaat ttgtaagcac acaaggccct ttgcaacctg gtcctgtggt 300
 actactttaa ncctcctgcc ctcccaaagt tntcactgt ttttctanac atacc 355

<210> 750
 <211> 493
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(493)
 <223> n = A,T,C or G

<400> 750
 ccattgctgg ctcgaactcc tgaactcagg tgatccaccc gcctcagtct cccaatagat 60
 tacatatatt attaataaat tgcttctttt aacaccctat tcattgaatt ttccagtaaa 120
 ccacaattac taattactcc tgaaatcaga aaagagggtta aaaagatttt ataacagtat 180
 cctatgaaat ctactacttt caagtaatat tagttgaatt accaaaaccc gtcactcaag 240

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ccaatgacta caattaagat atgagtaaca tttcctagat aaataaagtc aattaattat 300
atttgcattc gggaaataga gaaagtacat ataagccatg attttgaagn caaaagagag 360
agantatttg ccaaggaggg gtgagttata gtatgtaatt ataacataca gaagcttttt 420
gtatgctggg aactaatttt aatttcctac attnttatgg agatttctgc tattcttctg 480
ctattttcca cct 493

```

```

<210> 751
<211> 364
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1) ... (364)
<223> n = A,T,C or G

```

```

<400> 751
cgaggctctg naaggctcacc aagtctgccc aganagctca gaaggctaaa tgaatattat 60
ccctaatacc tgccacccca ctcttaatca gtgggtggaag aacggctctca gaactgtttg 120
tttcaatttg ccatttaagt ttagtagtaa aagactgggtt aatgataaca atgcatcgta 180
aaaccttcag aaggaaagga gaatgttttg nggaccactt tggttttctt ttttgcgtgt 240
ggcagtttta agttattagt ttttaaaatc agtacttttt aatggaaaca acttgaccaa 300
aaatttgtca cagaattttg agaccatta aaaaagttaa atgagataaa aaaaaaaaaa 360
cntg 364

```

```

<210> 752
<211> 498
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (498)
<223> n = A,T,C or G

```

```

<400> 752
ctggattatg ggttggnatt ggatcatatgt tagactccat acaggcatag ctatgatgca 60
gtgaatccct tagaagttac aattctcaaa ttacatactt cctcagatgt aacattagaa 120
ctcaatattt ctaacaataa cataccagaa aaggctggac tggcactcat ctgctgacta 180
actttagacc tcagtaatat gacatacttg cctttaacaa attatctcaa attaactaac 240
agaccttcag aaaatggaga ttcttttttg tggggacata atcaaattta agtctgagaa 300
atatgcttaa cagttggaac tcaaattaaa tgtactgatt ttaaagttta gacattaaca 360
agtgatanat tagcctcaa aaaagacaat ttggnaagggn ttaggtcttt taatttggtg 420
cttgntcaca acttgactgg tgcttctttc cttgctgctt cacatcaagc atggggccaa 480
ttctattttc agtaaatg 498

```

```

<210> 753
<211> 467
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (467)

```

<223> n = A,T,C or G

<400> 753

nacaacctta	gccanaacca	tttaccctaaa	taaagggata	ggcgatagaa	attgaaacct	60
ggcgcaatag	atatagnacc	gcaagggaaa	gatgaaaaat	tataaccaag	cataatatag	120
caaggactaa	cccctatacc	ttctgcataa	tgaattaaact	agaaataact	ttgcaaggag	180
agccaaagct	aagacccccg	aaaccagacg	agctatctaa	gaacagctaa	aagagcacac	240
ccgtctatgt	agcaaaatag	tgggaagatt	tataggtaga	ggcgacaaac	ctaccgagcc	300
tggtgatagc	tggntgncca	agatagaatc	ttagntcaac	tttaaatttg	cccacagaac	360
cctctaaatc	cccttgtaaa	tttaactgtt	agtccaaaga	ggaacagctc	ttggacacna	420
ggaaaaaacc	ttgcagagag	agtaaaaaat	ttaacaccca	tagtagg		467

<210> 754

<211> 196

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(196)

<223> n = A,T,C or G

<400> 754

gtcatgttca	agtgtnttaa	tctgacgcag	gcttatgcgg	aggagaatgt	tttcatgtta	60
cttataactaa	cattagttct	tctatagggg	gatagattgg	tccaattggg	tgtgaggagt	120
tcagttatat	gtttgggatt	tttttaggcag	tgggtgttga	gcttgaacgc	tttcttaatt	180
ggtggctgct	tttagg					196

<210> 755

<211> 381

<212> DNA

<213> Homo sapien

<400> 755

ctggaaagga	ttctgtacat	ataagacatc	aaatattgag	ggatactgga	actttttaaat	60
taatgggcaa	agaaagtcaa	caaaggaagt	tcatatgaaa	tcaaactagt	aatatgatta	120
caaaaaaaaa	gtttaaaatt	tttcttggcc	ccagtccttat	catttctgag	ccaaatacaa	180
ttctatcgaa	atcacctgaa	actgaaatca	ccattctagg	ctggttttcc	cataaagatg	240
gactgctcca	aaaagaggaa	tcaagaaaga	atttggtctca	cagtgaatta	ttcactttgt	300
cttagttaac	taaaaataaa	atctgactgt	taactacaga	aatcatttca	aattctgtgg	360
tgataataaa	gtaatgaccg	c				381

<210> 756

<211> 341

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(341)

<223> n = A,T,C or G

<400> 756

ggntataaac	ctattattta	ttgcagaact	aataaaaaat	ccaagcctt	gtatttgtac	60
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atctttatta tctctaaagc actttcctca acctaatttc agttttttaca attggtactc 120
aagaaaatag agacagaaat catttgattt tgcccagaaa ccatctgctt atatttataa 180
ggccacctaa tttgaaatca catatagacc aggcgcggtg gtcacgcct gtaattccaa 240
cactttggaa ggccaaggca ggtggatcac aaggtcaaga gattgagacc atcttggcca 300
acatggcgaa acccgtctc taccaaaaat acaaaaatca g 341

```

```

<210> 757
<211> 479
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (479)
<223> n = A,T,C or G

```

```

<400> 757
cgcnttactg tacatattgc tagcagggag acaactggaa atactaaaca aatactggaa 60
ttcacattac agacagacga aaccaacatg gatgccacac ataacttcct ttgtagtttc 120
acagagagcc tatttgtggt tgctcaggtg gggtcataca ttgcttgagc aaatggcctg 180
atcatagctc tatgaaacaa tgaattcggg atgaaatctt accatgacac ctctctgtag 240
gaaagaaatg ttgcttcacg tgtgctaagt tgagataata atatttcaca tatttatata 300
cagagaatca ctctcaaatt taacccaaga taagcaatag gatttggggg tgacttgtn 360
acatttctaa caacactttt cttttttcta gaggtcactc tcaaacactg atatatcact 420
atagnttgag ngtagggatt caagtaatca aaggttggtta ttgcaaaaga gccaggcag 479

```

```

<210> 758
<211> 267
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (267)
<223> n = A,T,C or G

```

```

<400> 758
ccatgnctag gtttatagat agttgggtgg gttggtgtaa atgagtgagg caggagtccg 60
aggaggttag ttgtggcaat aaaaatgatt aaggatacta gtataagaga tcaggttcgt 120
cctttagtgt tgtgtatggc tatcatttgt tttgagggtta gtttgactag tcattgttgg 180
gtggtaatta gtcggttgtt gatgagatat ttggagggtg ggatcaatag agggggaaat 240
agaatgatca gtactgcggc gggttagg 267

```

```

<210> 759
<211> 449
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (449)
<223> n = A,T,C or G

```

```

<400> 759

```

120 180 240 300 360 420 480 540 600 660 720 780 840 900 960 1020 1080 1140 1200 1260 1320 1380 1440 1500 1560 1620 1680 1740 1800 1860 1920 1980 2040 2100 2160 2220 2280 2340 2400 2460 2520 2580 2640 2700 2760 2820 2880 2940 3000 3060 3120 3180 3240 3300 3360 3420 3480 3540 3600 3660 3720 3780 3840 3900 3960 4020 4080 4140 4200 4260 4320 4380 4440 4500 4560 4620 4680 4740 4800 4860 4920 4980 5040 5100 5160 5220 5280 5340 5400 5460 5520 5580 5640 5700 5760 5820 5880 5940 6000 6060 6120 6180 6240 6300 6360 6420 6480 6540 6600 6660 6720 6780 6840 6900 6960 7020 7080 7140 7200 7260 7320 7380 7440 7500 7560 7620 7680 7740 7800 7860 7920 7980 8040 8100 8160 8220 8280 8340 8400 8460 8520 8580 8640 8700 8760 8820 8880 8940 9000 9060 9120 9180 9240 9300 9360 9420 9480 9540 9600 9660 9720 9780 9840 9900 9960 10000


```

caggctctgaa ctgataagta ttaagagacg tttgttgcta gttaagngtt ccagttgaga      60
gttcgaagtg aaaacctggg ctctttacca gtgttgagtg agaagattta tttctctttc      120
ctctgaattt accacatgta acatcacaga gacatgtaga gttccttttag gatttgcgat      180
ttgaaccagn ccagtcgat tttcaggtga attctgtgaa gagcttgatg ggggaagtct      240
gaagacagaa ggaattaggg aaaaggggtga tacttacaga gtaaaggaaa taaatgaaaa      300
gataatggta tttttggtag ccacagggaa atagcaggag gggactggag atcacacaca      360
cgcacacgca cacacacaaa cacacacaca cgctaaaact caaactaaaa acctcccaaa      420
ggagctgctt tgtttgaga cttcaattng aagtagatac taagggaag aatagaccag      480
ttaaattca cctgaaaatc tcttccann cttcaaagt gctaaaatat cactgtcagc      540
ttagcatctc tncatgtatg tatatataga tgta      574

```

<210> 763

<211> 465

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (465)

<223> n = A,T,C or G

<400> 763

```

cctactatgg gtgttaaaat tttttactct ctctacaagg ntttttecta gtgtccaaaag      60
agctgttcct ctttggaacta acagttaaat ttacaagggg atttagaggg ttctgnngggc      120
aaattttaaag ttgaactaag attctatctt ggacaaccag ctatcaccag gctcggtagg      180
tttgctgcct ctacctataa atcttccac tattttgcta catagacggg tgtgctcttt      240
tagctgttct taggtagctc gtctgggttc ggggggtctt gctttggctc tccttgcaaa      300
gttatttcta gttaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc      360
ttggatataa tttttcatct ttcccttgcg gtactatata tattgcgcca ngtttcaatt      420
tctatgcct atactttatt tgggtaaatg gtttggttaa ggttg      465

```

<210> 764

<211> 151

<212> DNA

<213> Homo sapien

<400> 764

```

ctgtcaatta atgctagtcc tcaggattta aaaaataatc ttaactcaaa gtccaatgca      60
aaaacattaa gttggtaatt actottgatc ttgaattact tccgttacga aagtccttca      120
catttttcaa actaagctac tatatttaag g      151

```

<210> 765

<211> 251

<212> DNA

<213> Homo sapien

<400> 765

```

gaagagctta tcacctttca tgatcacgcc ctcatagtca ttttccttat ctgcttecta      60
gtcctgtatg cccttttctt aacactcaca acaaaactaa ctaatactaa catctcagac      120
gctcaggaaa tagtaaccgt ctgaactatc ctgcccgcga tcatcctagt cctcatcgcc      180
ctcccatccc tacgcatcct ttacataaca gacgaggtca acgatccctc ccttaccatc      240
aatcaattg g      251

```

<210> 766

<211> 375
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (375)
 <223> n = A,T,C or G

<400> 766
 cgagggtctgn cctcctgggt cttcatccat tattaacaga agagcatact ggtttcggtc 60
 cataaaatct ttgggaaggg acaactgtaa aggaagttca tagtcgtcaa tatgaaggat 120
 ttttaatttct ggcttttcta tcttcttctt caggatagct tccttcagca tagaattggt 180
 ttccaatata aaatattttg ctgggttggt cgtactatgt aggctgacca ctggggaccct 240
 tggaccttca cagaataata agaaatgttg attcatggga ctaaaactgg catcaaaata 300
 tgtacattgt tctttcatga aattacatga aatgcattgg cgattcaata atccttcagt 360
 agaagcactg tacag 375

<210> 767
 <211> 485
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (485)
 <223> n = A,T,C or G

<400> 767
 cgagggtctga accctcgtgg agccattcat acagggtcct aattaaggaa caagtgatta 60
 tgctaccttn gcacgggttag ggtaaccgcg cccgttaaac atgtgtcact gggcaggcgg 120
 tgcctctaact actgggtgat ctagagggtga tgtttttggn aaacaggcgg ggtaagattt 180
 gccgagttcc ttttactttt ttttaaccttt ccttatgagc atgcctgtgt tgggttgaca 240
 gtgagggttaa taatgacttg ttgggtgattg tagatattgg gctgttaatt gtcagttcag 300
 tgttttaatc tgacgcaggc ttatgcggag gagaatgttt tcatgttact tatactaaca 360
 ttagttcttc tatagggtga tagatnggtc caattgggtg tgaggagntc acttatatgt 420
 ttgggatttt ttaggtaagn ggggtgttgag cttgaacgct ttcttaattg ggggctgctt 480
 ttang 485

<210> 768
 <211> 379
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (379)
 <223> n = A,T,C or G

<400> 768
 ctgatattct attaaagata caaagaggag ctggnaccat ttcttctgaa actattacaa 60
 acaactgaaa aggtggaatt tctccctaata tcatttttagg aggccagcat tatactgata 120
 ccaaaacctg gcagaggtag aataataaaa ggaaacttca agtcagtatc actgatgaac 180
 accaatgtga aaatcctcaa taaaatactg gcaaactgaa ttcagcagca catcaaaaag 240

```

ctaateccacc acaatcaagt cagcttcac cctgcgatgc aagtctgggt caacatatgc 300
aaatcaataa atacaattca tcagataaac agagctaaag acaaaattca catgattttc 360
tcaatagatg cagaaaagg                                     379

```

```

<210> 769
<211> 518
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (518)
<223> n = A,T,C or G

```

```

<400> 769
cgagggtccat atgatgatca gtctatatag ttttaaggcgc agatacacaa atttttcaaaa 60
atatgggtag aatatagtca atatgaatgg aatagacaat gctttgaaaa tcaactggagg 120
gaggctttat tgtttgtgaa aacatgttgt catcactttt tgctttaagc ccttgggtggt 180
gaaataactc aaaccattct tccttatgct gaagatcgag aaccccaagt atcacatcta 240
ccatcccact catcaatgtg attgggtcagt ctttgctgag gncctgcata gccagtttta 300
aagttagagt tcttgcatat acatatgaaa aggcattgta cttgtgcttt caaagagctt 360
tttgcttggt gtaaaaagaa aactcaaatt acagtgtgat gtggaatata atgggtggtag 420
tttcatcgag atgatgggaa agaattgata agataaagcn gaaagatgag cagaattttc 480
agattgggtn tggaaagagc acttaagaaa gaggggtgg 518

```

```

<210> 770
<211> 378
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (378)
<223> n = A,T,C or G

```

```

<400> 770
tatgggtcct gagtgtggaa tataagataa caagacaatt cccttgcttt caagggaaat 60
cacactttat aaaactttga attccttgaaa tgggtttcag aggttccaag gtcaaattca 120
agaataagag ttaagaagaa aaagactatg agaaaggaag tgntgacccc atttgcattt 180
aatgggcagg aatagtctca atctactcat tggggaaaaa tgtatgttgc atatttttga 240
gatattgcaa cttgctctct ctctttgccca cccaccctt tgncatgctc tgtttttggg 300
ctgaattggc aagaaaaaatg gctggagggc tgggaagaagn tggacccttc ttccttcttc 360
cttcttcctt ctttctcc                                     378

```

```

<210> 771
<211> 207
<212> DNA
<213> Homo sapien

```

```

<400> 771
cataaatatt atactagcat ttaccatctc acttctagga atactagtat atcgctcaca 60
cctcatatcc tccctactat gcctagaagg aataatacta tcaactgttca ttatagctac 120
tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180
ctttgccgcc tgcgaagcag cggtagg                                     207

```


<210> 772
 <211> 384
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (384)
 <223> n = A,T,C or G

<400> 772
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttccctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgnngggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
 ttgtcgccctc taactataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttctg ggggtcttag ctttggctct ccttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
 tggttataat ttttcatctt tccc 384

<210> 773
 <211> 182
 <212> DNA
 <213> Homo sapien

<400> 773
 cccttttctt aacactcaca acaaaaactaa ctaatactaa catctcagac gctcagggaa 60
 atagaaaccg tctgaactat cctgcccgc atcatcctag tcctcatcgc cctcccatcc 120
 ctacgcattcc tttacataac agacgaggtc aacgatccct cccttaccat caaatcaatt 180
 gg 182

<210> 774
 <211> 191
 <212> DNA
 <213> Homo sapien

<400> 774
 ccatggctag gtttatagat agttgggtgg ttgggtgtaa atgagtgagg caggagtccg 60
 aggaggtttag ttgtggcaat aaaaatgatt aaggatacta gtataagaga tcaggttcgt 120
 ccttttagtgt tgtgtatggc tatcatttctg tttgagggtta gtttgatttag tcattgttgg 180
 gtggttaatta g 191

<210> 775
 <211> 192
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (192)
 <223> n = A,T,C or G

<400> 775
 ccatggctaa gntatataga tagctgggtg gctggagtaa atgantgagg nacgagtccg 60

```

angaggttag ttgaggcaat aaaaatgatn aaggatacta gtataagaga tcangttcgt      120
cctttacatg ttgngtatgg ctatcatttg ttttgaggct agnttgatta gtcattgttg      180
ggtggttaatt aa                                                         192

```

```

<210> 776
<211> 144
<212> DNA
<213> Homo sapien

```

```

<400> 776
ctgacccctt agaaccctgg ctctgccatt agctaggacc taagactctg cccacatttt      60
ggtctgttct ctcccattac acatagggtt gtctcagcat gcaagagttt ttcctttaa      120
aaaaaaaaa aaaaaaaaaa aaaa                                             144

```

```

<210> 777
<211> 483
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

```

```

<400> 777
cctactatgg gtgntaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga      60
gctgttcctc tttggactaa cagttaagtt tacaagggga tttagagggt tctgtgggca      120
aatTTaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt      180
ttgtcgcttc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt      240
agctgttctt aggtagctcg tctgggttctg ggggtcttag ctttggctct ccttgcaaag      300
ttatttctag ttaattcatt atgcagaagg tataggggnt aagtccttgc tatattatgc      360
ttggatataa tttttcatct ttcccttgcg gtactatata tattgcgcca ggtttcaatt      420
tctgccgcct atactttatt tgggtaaagt gtttggctaa ngttgctggt agaaggtgga      480
gtg                                                                    483

```

```

<210> 778
<211> 393
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

```

```

<400> 778
ctgcattttt attgcgatct gcagatgaac tgggaaaatc tcattttaca acagaactga      60
gacagacgac caccatattc actgaggtct aaatttgcag tttccactaa tgacattttg      120
atttcccaac agagatactt ctggtcttac tgcacagtct ttttaagagaa atacttccat      180
tatgccacat tgtccttgat ccgtaagtga tgtgttaagg tgcttcaaag gaactctgac      240
ctctgaagta cttgagctac tttagtatgt ccagcctatt gctttttggt ttagngngtc      300
accataaata tcaggggcat aaaaggctat ctattcttaa ttcaaggata aaacagaaga      360
agcttggtggn ataaaacaat agtcaagatc cag                               393

```

<210> 779
 <211> 277
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(277)
 <223> n = A,T,C or G

<400> 779
 cctnttgatt tgatgggtaa ggggagggat cgttgacctc gtctgttatg taaaggatgc 60
 gtagggatgg gagggcgatg aggactagga tgatggcggg caggatagtt cagacggttt 120
 ctatttcctg agcgtctgag atgttagtat tagttagttt tgttgtagt gttaggaaaa 180
 gggcatacag gactaggaag cagataagga aaatgactat gagggcgtga tcatgaaagg 240
 tgataagctc ttctatgata ggggaagtag cgtcttg 277

<210> 780
 <211> 328
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(328)
 <223> n = A,T,C or G

<400> 780
 catgntatgg ataaccatnt taactgtatt ttntgcance cgtaccttct tgggaataca 60
 attgtctaac tttttatttt tggngctggg gttgtgggtg gcaaaactcc gtacattgct 120
 attttgccac actgcaacac cttacagatg tgggaagatgt gaaatttgct atcaattatg 180
 actaccctaa ctctcagag gattatatct atcgaattgg aagaactgct cgcagtacca 240
 aaacaggcac agcatacact ttctttacac ctaataacat aaagcagggg agcgacctta 300
 tctctgtgct tcgggaagct aancaaac 328

<210> 781
 <211> 305
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(305)
 <223> n = A,T,C or G

<400> 781
 ctgttcagaa agctcattgg acctgggttt gaaaataaaa caaagttaaa accctgggag 60
 gagttattgt gcagngtggg gtactcaggc tttcttataa agaaaaaaaa agttatctgg 120
 taccaaagtg tgcaacctac agaccctcag gtactgccct gtgacttctc tgtatgacat 180
 cacaaggctg ccaagtgcct gtttttctag aactaggagt tgggtgaggtt tggctantgc 240
 tgaaaccatg cataggattg gtttactaaa ttaaaacctt attacgtacg tcctccaaaa 300
 gacag 305

<210> 782

<211> 497
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(497)
 <223> n = A,T,C or G

<400> 782
 cgaggtggct ttaattgatg ttaatgcctt atgtcaaagt taaagttaga atttgctagg 60
 gctgggatag ggagtgatat ttctaggact tagacattga aaactaattc agcctgtagt 120
 aacctggatg gttttcaatg gcatgggttag tcaaattcat ggttttaaac ttagaagcag 180
 ctttcggggg agagggtagg ttggagcatt tattacatat ttactgtttt aatgtcttaa 240
 ccgtgggcct ttttaattgt aaacactgaa atgattgttg ggctgtggaa aacatttacc 300
 tatttacctt ggaagtttta aaagacagtc cacttttttag catgtgtgtt gcgtccagcc 360
 tgtggtcgtc ttaactaata aatngnattt ttctctcaaa aaaaaaacct ccccgggcgg 420
 ccgtcaagg gcnaattccn cacactggcg gccgttacta ggggatccga nctcgggtcca 480
 agcttggcgt aatcatg 497

<210> 783
 <211> 364
 <212> PRT
 <213> Homo sapien

<400> 783
 Met Trp Gln Pro Leu Phe Phe Lys Trp Leu Leu Ser Cys Cys Pro Gly
 1 5 10 15
 Ser Ser Gln Ile Ala Ala Ala Ala Ser Thr Gln Pro Glu Asp Asp Ile
 20 25 30
 Asn Thr Gln Arg Lys Lys Ser Gln Glu Lys Met Arg Glu Val Thr Asp
 35 40 45
 Ser Pro Gly Arg Pro Arg Glu Leu Thr Ile Pro Gln Thr Ser Ser His
 50 55 60
 Gly Ala Asn Arg Phe Val Pro Lys Ser Lys Ala Leu Glu Ala Val Lys
 65 70 75 80
 Leu Ala Ile Glu Ala Gly Phe His His Ile Asp Ser Ala His Val Tyr
 85 90 95
 Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
 100 105 110
 Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
 115 120 125
 Asn Ser His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Arg Ser Leu
 130 135 140
 Lys Asn Leu Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Phe Pro
 145 150 155 160
 Val Ser Val Lys Pro Gly Glu Glu Val Ile Pro Lys Asp Glu Asn Gly
 165 170 175
 Lys Ile Leu Phe Asp Thr Val Asp Leu Cys Ala Thr Trp Glu Ala Met
 180 185 190
 Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
 195 200 205
 Phe Asn His Arg Leu Leu Glu Met Ile Leu Asn Lys Pro Gly Leu Lys
 210 215 220

aattaatacg	actcactata	ggggaattgt	gagcggataa	caattcccct	ctagaaataa	5040
ttttgtttta	ctttaagaag	gagatataca	tatgcagcat	caccaccatc	accactggca	5100
gccccctctt	ttcaagtggc	tcttgtcctg	ttgccctggg	agttctcaaa	ttgctgcagc	5160
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ggtgtttgaa	ttccagttga	cttcagagga	gatgaaagcc	atagatggcc	taaacagaaa	6120
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aaaggaagct	gagttggctg	ctgccaccgc	tgagcaataa	ctagcataac	cccttggggc	6300
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<210> 785

<211> 5502

<212> DNA

<213> Homo sapien

<400> 785

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cagcgtgacc	gctacacttg	ccagcgccct	agcgcccgct	cctttcgctt	tcttcccttc	120
ctttctcgcc	acgttcgccc	gctttccccg	tcaagctcta	aatcgggggc	tccctttagg	180
gttccgattt	agtgttttac	ggcacctcga	ccccaaaaaa	cttgattagg	gtgatgggtc	240
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cgttattcat	tcgtgattgc	gcctgagcga	gacgaaatac	gcgatcgctg	ttaaaaggac	960
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tcgcacctga	ttgcccgcga	ttatcgcgag	cccattttata	cccatataaa	tcagcatcca	1320


```

catactctgc gacatcgat aacgttactg gtttcacatt caccaccctg aattgactct 4620
cttcggggcg ctatcatgcc ataccgcgaa aggttttgcg ccattcgatg gtgtccggga 4680
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```

<210> 786
<211> 108
<212> PRT
<213> Homo sapiens

```

```

<400> 786
Arg Arg Ser Cys Glu Pro Ala Thr Arg Val Pro Glu Val Trp Ile Leu
          5              10              15
Ser Pro Leu Leu Arg His Gly Gly His Thr Gln Thr Gln Asn His Thr
          20              25              30
Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Asn Gln
          35              40              45
Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile
          50              55              60
Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met
          65              70              75              80
Glu Gly Asp Leu Gln Glu Leu His Gln Ser Asn Thr Gly Asp Lys Ser
          85              90              95
Gly Phe Gly Phe Arg Arg Gln Gly Glu Asp Asn Thr
          100              105

```

```

<210> 787
<211> 152
<212> PRT
<213> Homo sapiens

```

```

<400> 787
Arg Pro Lys Glu Glu Val Pro Arg Ser Lys Ala Leu Glu Val Thr Lys
          5              10              15
Leu Ala Ile Glu Ala Gly Phe Arg His Ile Asp Ser Ala His Leu Tyr
          20              25              30
Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
          35              40              45
Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
          50              55              60

```

Thr	Phe	His	Arg	Pro	Glu	Leu	Val	Arg	Pro	Ala	Leu	Glu	Asn	Ser	Leu
65					70					75					80
Lys	Lys	Ala	Gln	Leu	Asp	Tyr	Val	Asp	Leu	Tyr	Leu	Ile	His	Ser	Pro
			85						90					95	
Met	Ser	Leu	Lys	Pro	Gly	Glu	Glu	Leu	Ser	Pro	Thr	Asp	Glu	Asn	Gly
			100					105					110		
Lys	Val	Ile	Phe	Asp	Ile	Val	Asp	Leu	Cys	Thr	Thr	Trp	Glu	Ala	Met
		115				120						125			
Glu	Lys	Cys	Lys	Asp	Ala	Gly	Leu	Ala	Lys	Ser	Ile	Gly	Val	Ser	Asn
	130					135					140				
Phe	Asn	Pro	Gln	Ala	Ala	Gly	Asp								
145					150										

<210> 788

<211> 1633

<212> DNA

<213> Homo sapiens

<400> 788

```

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tgtccgggaa agagaaatcc aaatttgatg aaatggcaaa ggcagataaa gtgcgctatg 300
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ctcccaaaaag gccaccgtct ggattcttcc tgttctgttc agaattccgc cccaagatca 420
aatccacaaa ccccgcatc tctattggag acgtggcaaa aaagctgggt gagatgtgga 480
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agtatgagaa ggatgttgct gactataagt cgaaaggaaa gtttgatggt gcaaagggtc 600
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<210> 789

<211> 200

<212> PRT

<213> Homo sapien

<400> 789

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 Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro
 20 25 30
 Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg
 35 40 45
 Trp Lys Thr Met Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala
 50 55 60
 Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro
 65 70 75 80
 Ala Lys Gly Gly Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
 85 90 95
 Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
 100 105 110
 Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly
 115 120 125
 Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr
 130 135 140
 Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr
 145 150 155 160
 Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala
 165 170 175
 Arg Lys Lys Val Glu Glu Glu Asp Glu Glu Glu Glu Glu Glu Glu
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 Glu Glu Glu Glu Glu Asp Glu
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<210> 790

<211> 457

<212> DNA

<213> Homo sapiens

<400> 790

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<210> 791

<211> 126

<212> PRT

<213> Homo sapiens

<400> 791

Ser Pro Val Leu Gly Thr Arg Arg Ser Cys Glu Pro Ala Thr Arg Val
 5 10 15

Pro Glu Val Trp Ile Leu Ser Pro Leu Leu Arg His Gly Gly His Thr
 20 25 30

Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met Glu Ser
 35 40 45

Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His Leu Gly
 50 55 60

Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys Ala Thr
 65 70 75 80

Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly Ile Asn
 85 90 95

Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys Glu Glu
 100 105 110

His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val
 115 120 125

<210> 792
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 792
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 gagagcccca aaaagaagaa ccagcagctg aaagtcggga tcctacacct gggcagcaga 180
 cagaagaaga tcaggataca gctgagatcc caggtgctgg gaagggaaat gcgcgacatg 240
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<210> 793
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 793
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 5 10 15

Ser Pro Leu Leu Arg His Gly Gly His Thr Gln Thr Gln Asn His Thr
 20 25 30

Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln
 35 40 45

Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile
 50 55 60

Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met

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<400> 795
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          20                      25                      30

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          35                      40                      45

Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
          50                      55                      60

Thr Phe His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Asn Ser Leu
          65                      70                      75                      80

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Lys Lys Ala Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Ser Pro
 85 90 95
 Met Ser Leu Lys Pro Gly Glu Glu Leu Ser Pro Thr Asp Glu Asn Gly
 100 105 110
 Lys Val Ile Phe Asp Ile Val Asp Leu Cys Thr Thr Trp Glu Ala Met
 115 120 125
 Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
 130 135 140
 Phe Asn Pro Gln Ala Ala Gly Asp
 145 150

<210> 796
 <211> 2435
 <212> DNA
 <213> Homo sapiens

<400> 796
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<210> 797
<211> 120
<212> PRT
<213> Homo sapiens
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<400> 797
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                20                      25                      30

Arg Gly Gly Val Gly Gly Glu Thr Arg Ala Ala Leu Ala Arg Ala Pro
            35                      40                      45

Pro Pro Gly Arg Ala Glu Trp Tyr Gly Pro Ala Gly Val Lys Ala Gly
        50                      55                      60

Gly Arg Arg Arg Val Pro Arg Arg Arg Arg Arg Arg Trp Gly Cys Val Gln
    65                      70                      75                      80

Glu Glu Arg Trp Ala Gly Pro Ala Arg Val Gly Gly Arg Pro Arg Gly
                85                      90                      95

Pro Gly Arg Ala Ala Ala Arg Arg Ala Ala Ala Ser Thr Arg Ala Ala
            100                      105                      110

Ser Pro Arg Cys Thr Thr Cys Arg
        115                      120

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<210> 798
<211> 164
<212> PRT
<213> Homo sapiens
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<400> 798
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              5              10              15
Arg Ala Glu Pro Glu Ser Gly Trp Gly Pro Arg Gly Arg Gly Arg Thr

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Pro	Pro	Ala	Ala	Arg	Asn	Gly	Met	Ala	Arg	Pro	Glu	Leu	Arg	Pro	Gly	
50					55					60						
Gly	Gly	Gly	Glu	Ser	Arg	Gly	Gly	Gly	Asp	Asp	Gly	Ala	Ala	Cys	Arg	
65					70					75					80	
Arg	Asn	Ala	Gly	Gln	Gly	Arg	Arg	Gly	Ser	Gly	Gly	Ala	Arg	Gly	Ala	
85					90					95						
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100					105					110						
Arg	Arg	Gly	Ala	Gln	Arg	Ala	Ala	Glu	Arg	Ala	His	Pro	Ala	Ala	Ala	
115					120					125						
Val	Arg	Val	Gly	Pro	Arg	Gln	Gly	Ala	Glu	Pro	Arg	Gly	His	Asp	Pro	
130					135					140						
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<210> 799

<211> 60

<212> PRT

<213> Homo sapiens

<400> 799

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Arg	Arg	Gly	Arg	Gly	Arg	Asn	Ala	Arg	Cys	Pro	Gly	Thr	Gly	Pro	Pro
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Pro	Arg	Pro	Arg	Gly	Met	Val	Trp	Pro	Gly	Arg	Ser
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<210> 800

<211> 2477

<212> DNA

<213> Homo sapien

<400> 800

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<210> 801

<211> 1619

<212> DNA

<213> Homo sapien

<400> 801

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<210> 802

<211> 3115

<212> DNA

<213> Homo sapien

<400> 802

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 35 40 45
 Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser
 50 55 60
 Val Asn Val Arg Cys Asn Thr Ile Val Arg Arg Arg Ala Lys Gly Ser

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	100		105		110	
Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val Ser Leu Val Val						
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Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile Cys Leu Leu Lys						
	130		135		140	
Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu Phe Cys Ser Lys						
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Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro Pro Ser Ala Thr						
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Glu Pro Leu Asp Leu Asp Cys Ser Ser Cys Gly Thr Pro Leu His Asp						
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Gln Glu Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr Leu Gly Ser Ala						
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Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys Ala Asp Ile Ser						
	245		250		255	
Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala Val Lys Asp Cys						
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Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile Ser Arg Ser Ala						
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Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg Val Arg Leu Glu						
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Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile Ile Ser Pro Asn						
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 Cys Leu Leu Lys Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu
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 Pro Leu His Asp Gln Gly Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr
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 Gly Ile Thr Ala Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe
 130 135 140
 Glu Gly His Tyr Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys
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 Ala Asp Ile Ser Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala
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 Val Lys Asp Cys Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile
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 Ser Arg Ser Ala Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg
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Val Arg Leu Glu Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile
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Gln Val Leu Ala Thr Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly
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Pro Leu Arg Glu Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe
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cgtacgcaat gtaggaagct gtaattactg accaaaacta tgtgaagtgg agaaaacctg 3660
gggaagtggg tggtttttaga tgaaactgaa gttaaattca tattgattta aagtaaattg 3720
ttataacttt ataaagtttt tcatcatcac cacagcaatc acaaagagaa taattatgaa 3780
tatacgcaag aggaaatgag aagggaatcc aaatgtcatt aaaaaaaaaa 3829

```

```

<210> 808
<211> 781
<212> DNA
<213> Homo sapiens

```

```

<400> 808
gcggcgggagc tgtgagccgg cgactcgggt ccctgaggtc tggattcttt ctccgtact 60
gagacacggc gggtaggtcc acaggcagat ccaactggga gttgaagtgt gactgagagt 120
gaagaggaac cagcaggctt cggagggtt gtgtgggtcag tgactcagag tgagaaggcc 180
ctcgaagtcg tcgtccctct catgcggtgc cagccccatg gaccttcttg tctcgtcacg 240
gccataacta gggaggaagg agggccgagg agtggagggg ctcaggcgaa gctggggtgc 300
tggtgggggt atccgagtc cagaagcacc tggaaccccg acagaagatt ctggactccc 360
cagacgggac caggagaggg acggcatgag cgacacacac aaacacagaa ccacacagcc 420
agtcccagga gccagtaat ggagagcccc aaaaagaaga accagcagct gaaagtcggg 480
atcctacacc tgggcagcag acagaagaag atcaggatac agctgagatc ccagtcgctg 540
acatggaagg tgatctgcaa gagctgcac agtcaaacac cggggataaa tctggatttg 600

```

```

ggttccggcg tcaaggtgaa gataatacct aaagaggaac actgtaaaat gccagaagca 660
ggtgaagagc aaccacaagt ttaaatagaag acaagctgaa acaacgcaag ctgggtttat 720
attagatatt tgacttaaac tatctcaata aagttttgca gctttcacca aaaaaaaaaa 780
a                                                                 781

```

```

<210> 809
<211> 160
<212> PRT
<213> Homo sapiens

```

```

<400> 809
Met Arg Cys His Ala His Gly Pro Ser Cys Leu Val Thr Ala Ile Thr
      5                                10                        15

Arg Glu Glu Gly Gly Pro Arg Ser Gly Gly Ala Gln Ala Lys Leu Gly
      20                        25                        30

Cys Cys Trp Gly Tyr Pro Ser Pro Arg Ser Thr Trp Asn Pro Asp Arg
      35                                40                        45

Arg Phe Trp Thr Pro Gln Thr Gly Pro Gly Glu Gly Arg His Glu Arg
      50                        55                        60

His Thr Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met
      65                        70                        75                        80

Glu Ser Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His
      85                        90                        95

Leu Gly Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys
      100                       105                       110

Ala Thr Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly
      115                       120                       125

Ile Asn Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys
      130                       135                       140

Glu Glu His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val
      145                       150                       155                       160

```

```

<210> 810
<211> 624
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(624)
<223> n=A,T,C or G

```

```

<400> 810

```

```

atganaagga gatgacacaa aagttagatc tcatcacaag tgatttggca gattaccagc 60
agccctcat gatnggcacc gggacagtca cgaggaaggg ctccaccttc cggcccatgg 120
acacggatgc cgaggaggca ggggtgagca ccgatgccgg cggccactat gactgcccgc 180
agcgggcccgg ccgccacgag tacgcgctgc ccctggcgcc cccggagccc gagtacgcca 240
cgcccatcgt ggagcggcac gtgctgcgcg cccacacgtt ctctgcgcag agcggctacc 300
gcgtcccagg gccccagccc ggccacaaac actccctctc ctcgggcggc ttctcccccg 360
tagcgggtgt gggcgcccag gacggagact atcaaaggcc acacagcgca cagcctgcgg 420
acaggggcta cgaccggccc aaagctgtca gcgccctcgc caccgaaagc ggacaccctg 480
actctcagaa gcccccaacg catcccgga caagtgcag ctattctgcc cccagagact 540
gcctcacacc cctcaaccag acggccatga ctgccctttt gtgaacacaa tgtgaaagaa 600
gcctgctgtg gtactgagcg tcgg                                     624

```

```

<210> 811
<211> 572
<212> DNA
<213> Homo sapiens

```

```

<400> 811
agcgggctgt gaggacgctc tgggccaggc tgcagcgca gcgttccgag ctgctgggct 60
ctttcgagga tggtctgata cgcgcgtcgg cctgcctgga ggaggcggcc cgggagcgcg 120
acggcctgga gcaggcgctg cggaggcgcg agagcgagca cgagaggag gtgcgcgctc 180
tgtacgagga gacggagcag cttcgggagc agagccggcg cccgccgagt cagaacttcg 240
cccgcgggga gcggagaagc cgtctggagc tggagctgca gatccgcgag caggacctgg 300
aacgcgcggg cctgcggcag cgggagttag agcagcagct gcacgcccag gctgcggagc 360
acctggaggc acaggcccag aactcccagc tgtggcgggc gcacgaggcg ctgcgaacgc 420
agctggaggg ggcgcaggag cagatccgca ggctggagag cgaagcacga ggccgccagg 480
agcaaaccga acgagacgtg gtcgcgctct ccaggaacat gcagaaagag aaagtcagcc 540
tgctacggca actggagctg ctcaggggagc tg                                     572

```

```

<210> 812
<211> 594
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(594)
<223> n=A,T,C or G

```

```

<400> 812
cggaagtgtg cgcagcgcgg ttgccaatgg tcgctccctg atttnatgcc gctcgtgggtg 60
ttttgcgggc tgccgtacag cggcaagagc cggcgtgctg aagagttgcg cgtggcgctg 120
gctgccgagg gccgcgcggt gtacgtgggt gacgacgcag ctgtcctggg cgcagaggac 180
ccagcggtgt acggcgattc tgcccgtag aaggcattgc gtggagctct gcgagcctcc 240
gtggaacggc gcctgagtcg ccacgacgtg gtcactctgg actcgcttaa ctacatcaaa 300
ggtttccggt acgagctcta ctgcctggca cgggcggcgc gcaccccgt ctgcctgggtc 360
tactgcgtac ggcccggcgg cccgatcgcg ggacctcagg tggcgggccc gaacgagaac 420
cctggccgga acgtcagtggt gagttggcgg ccacgcgctg aggaggacgg gagagcccag 480
gcggcgggca gcagcgtcct cagggaaactg catactgcgg actctgtagt aaatggaagt 540
gcccaggccg acgtacccaa ggaactggag cgagaagaat cgggggctgc ggag                                     594

```

<210> 813
 <211> 561
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(561)
 <223> n=A,T,C or G

<400> 813
 tctgacacac gagaccggtt atcccatctc cgcgcccctc tgtgggtatt acacagccac 60
 tagatgaagc caaacattgt tggaggtagt gaaatcttag actccaccat gtgtccagga 120
 ncccattgac gtcctctctt ctgaaaactc cgtgtggccc tcgctctgca ctgtcatgag 180
 gcggtgatgg agctagatac ccaccacgga caatgatcat cagtttgggg ttctctgggt 240
 ctcacaggga cgcacattct aggggtagca cgacactccc cctgtagttg ctccacacaa 300
 acgggatctc tcatccaggc gatacgtctg gtcctgtggc atgtggctct cnacgaaaca 360
 ccagggangc attatgttgg ggacttcttg gggctctgct ggtctctgct ccagacacga 420
 ttaatccgaa atgtgttaan tcgancacat ggggccacgt ccaggacagc tcccatcgaa 480
 ctctcnaggc tctctanctc agggatgaag gaggtnaagt gatcgatnct cacaagcgan 540
 agctctcgcn cnatatctgc g 561

<210> 814
 <211> 307
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(307)
 <223> n=A,T,C or G

<400> 814
 cntcgnngng ttggttgtgt gggntnttct cgggtgattg ggtgnnatta ctggacccaa 60
 ccnncgtgga aanggtctgg nncgcggcgg ntctngcaga agtatcccga tttttttttt 120
 tttttttttt tttttgnggg agggaaantt ncagacatag ctttattgct gactcctgcc 180
 cccttcanag ccctagtcac aggcnncagg gntgttttgt aanttaaant ttcnggaaaa 240
 tngngtntt tntgcatnca anagaagggn tgccaaangn ggggtattgc ttctgggtgg 300
 nttacc 307

<210> 815
 <211> 784
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(784)
 <223> n=A,T,C or G

<400> 815
 ggcacgagat ataatcagac tcttactcct gtacttctag aaatgatgca aacacttcaa 60
 ggaccacaaa atgtggaaga tatgaatgca ctgttaatca aagatgctgt gtataatgct 120

```

gttggattaa gctgcttatg agctctttga cagtgttgat tttgatcagt ggtttaaaaa 180
ccagcttctt ccagaattac aagtcattca caataggtat aagccattgc gacgcagggg 240
gatttggctc atcggtcagt ggatttctgt gaaattcaag tctgacttaa gacccatgct 300
ttatgaagca atctgtaact tgcttcaaga tcaagattta gtggccgtat tgaaacagct 360
acaactttga agttaactgt tgatgatatt gaatttagaa cagatcagtt tctaccgtat 420
ttggaaacca tgttcacact actttttcag ttactgcagc aagttacaga atgtgacaca 480
aagatgcatg ttttgcatgt cttttcttgt gtgatcgaaa gagtcaacat gcagatacga 540
ccatatgtgg gatgtttggg acaatatttg cccctccttt ggaagcagaa gtgaanaaca 600
caatatgttg agatgtgcta ttttgaccac acttattcat cttggtcagg gattangagc 660
agacagcaag acctgtccct ttctgtctcc agttattcac tgagtaccag atgtttcaca 720
gccttcncat gtttattttt ctggaaaatg ggtaaaaaat atnggtanga acctttggga 780
aaac

```

```

<210> 816
<211> 813
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(813)
<223> n=A,T,C or G

```

```

<400> 816
ggcacgagca ggctgggaag aagtccttgc ttctcaaggc cacgtaccgg ccgcgtcctt 60
ccacccttgc cctttaaacc acagatgcca aatgatacgc caacagacac tacattcccc 120
agcagctgct gccagagccc tcttgtagct tctttatttt ctgtttcttt ccagctttcc 180
taccctccta tcccccttg tgtttgggccc acaattttga aataattttt attataggta 240
tgtgtgcca aagccagatt ttataagggt aaaataaatt aagaatttaa acagtaaaaag 300
ccagtgtctc aaaatgtcag cattaaaatg tgaaggggac agcaggggtg gaaccggaaa 360
cacacattgc caaacagttg ccaactgaac tgctgcttct catgggtcctg tcttttcttt 420
gcccttaagg tcaatgccag tgtccagacg agcagtgtag aaaagctccc tgtgtgggtt 480
gtcgtgaggt ctgcttgat ctcttcaact gcgttagttt cattagctct ttattctcct 540
tacgttcgag tgaatctgcc aagaacactg gtggatagta ttatcctaac acttttggtt 600
tgggggcggg gagggggcag ggaatagtga gctggcttta ccaccttcag gatctcgaat 660
tgggcgcttg aacctaagaa agattgtgga cttatcaaaa gtcaccgctc agtggtcgtc 720
aagcatgtat ttatgtgacn atcatactag ggaggggatg gttgggaatt cttccatgtg 780
caaatttngn cccgcaanaa gcaaaaactgg ngf
813

```

```

<210> 817
<211> 229
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(229)
<223> n=A,T,C or G

```

```

<400> 817
gaaactttta cattaatgat ttattaaan aaacaactcc ttgtccact cactgngct 60
gcttgtaatc tccatacatg gcctccattt tcaactgttt tnttggtcac anagctccaa 120
acanacacat ttttttttcc aggtaaaagc tgtttttagt ttgtagtaca aatgtgactg 180
catccaatac tgacacattg ttcctttggc ccacagtccc antcaccac
229

```

<210> 818
 <211> 781
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(781)
 <223> n=A,T,C or G

<400> 818
 ggcacgaggt gtgtgtgtgt gtgtgtgtgt aacacatggg cattggtcct tccaggacaa 60
 cttggttagg gctccagggg ggcctctcag gcaggaacag gcttttttcc tcctgtcttt 120
 tcctcacatc acgtcctgcc ccaggctact gcataaataa gtgcttttga aagtattcat 180
 ctagaaagta acataaatac tgtacataga aaagggttgc cgtcccttag ccttcgcact 240
 gccccagaga gctctccaca tattgcacac ggcctcccca gccctgtggg gtccaggcct 300
 ggctgtgtct ttggtagaag cttcagggac agttcctggg cagccccac atctncaccc 360
 tgctcccaa ggggagctct agggtagtca gtgggtacca gaagccttgc tcggcctcgc 420
 tgggtggcct ctaccangga tgctttcaca aggatgagac agaatcccaa tggatatgcc 480
 ctgcttgga actctgtca aggtctgcat gtggcctggg aggagacagg caggctgang 540
 gcagggtggac aggtgantcc tggccacana aggcaggctc acacccttca cangaatagg 600
 tggtttgngc tgctcatctc gcccacggtc tcctnntgcg ccaccccccc ttnntgaatc 660
 gnaantcctc aaanccctta ccaccacttg atgacnanc atttttangg cctggcctga 720
 agnggggggc cttnngcccc ccnaaggggg aaatncccc ggnngaattc ccaangggga 780
 a 781

<210> 819
 <211> 199
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(199)
 <223> n=A,T,C or G

<400> 819
 cnnngtggaa anggctgggn nngcgccgt tttcgnngta gtatcgcgnt tttttttttt 60
 tttttgtggg aggttntgcn gtntttgntt gctctctcaa attccaggaa ttgacttatt 120
 taattaatgc ctgcaacctg tgctagcaaa tatttgnaca aaacnanttg tgttgngat 180
 gttcttttgg gtcgggcag 199

<210> 820
 <211> 211
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(211)
 <223> n=A,T,C or G

<400> 820

```

nnnggcacga ggagagagag agagagagag agagagagag agagagagag agagagagag 60
agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
agacagtnct ntgtgtgtct ctctgtctcn aagtacncnc tgaggnatct gntntctgtn 180
tntngntaca cngtatctct cntggncata t 211

```

```

<210> 821
<211> 952
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(952)
<223> n=A,T,C or G

```

```

<400> 821
nnntcaggct cctggatgag ccctgcgana gaggggtggca gcacggagag agctgctgga 60
ggcagcagag caccaaggaa acatccagac atgcgcggcc cgccccatcc gctccccgaa 120
cagcaccaag acgaaatggg aaactacatg tccccagggt cgaggctgca ggggcagact 180
ctggtgtgaa caggggggat gtgaccacct aaggaaaagg tcacacctgt cttggtatca 240
ggggctcaag agctctcaaa aatgtaaggg gccgacagtc ccctgccccca ggcctgatca 300
caactccagg gtcatgaggc cagagtaaag tgcagagggt tttaaacata accaaaattt 360
caggagaggc caattcttac ttgaaagagc aacaccctgg ggcgctgctt gccattactt 420
cctcatcttt agcaacacat ttgcttttca aggtgttcct tgtggaaaca cacatacaca 480
tagacacatg cccctcagat gtcccttgcc ccctgattag tagaatgtgg ggtttccaca 540
atgagcagaa actgatccaa ttttggttaa gtttgagaag ccctctgaat ttgggtggtt 600
ggcccaatgt aaatacttcc gcagagatgg agggcattca aaacagggtc tgaaaggatc 660
cagcctatct tggactttgt tctggaancc anggattcag cnttggccac ctgtgccagg 720
cttgcaaggc ctggtgtgaa cncccaaant ggcagcaaaa acaacanaca gccnctgcac 780
tttggnrtgga ccaacgtttg gcctnaacaa atctnngcgg ttgggatntt cttgntttcn 840
cncccagggg accnaaaacc cccntacntg naataacnt tttttttttn aaccntttan 900
ccantgggnt tnccnaaaaa acttgncccc ttttttttnc caanggnaaa at 952

```

```

<210> 822
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(587)
<223> n=A,T,C or G

```

```

<400> 822
ggcacgagaa ctagtctcga gttttttttt ttttttttta acatttctga attttattat 60
ttttagggaa gacacgcagt ttcacaagaa acaatgattt ttctcaaaca atagaaaaaa 120
aggctttttt gaaaaatcca ctgtcttaga tgaaaagtct acccagcaag cactggggca 180
gttctgagag tagaaaccag tgtggtggaa gttacttata ggaagttcag tgcagaggct 240
tccacaagtc ctgattagtt ctgnaaggct ccattgggcc agctcagggt aacagtggga 300
atgagctcac agacaaaaggc aggcaccagt tccntgccc gggatgcagg ctggctcact 360
ccccangcgg ntgcattctg cttcagactc atcaaactgc tgctgtccan ctncgncatg 420
actntgttga gaacatanaa ctctgctctc tggcttttgc tcanctcctg gtgggcnnaa 480
ttctgcttag cttctnccac tntgaaggnt ggggtctttaa cttttggatt tttttttccn 540
ggcaggggga accatgaatg ggggtacatac ccaacnnggg ntttggc 587

```

<210> 823
 <211> 264
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(264)
 <223> n=A,T,C or G

<400> 823
 ntcnatncct actangncaa actgactccg cccnagnca cctngtggtc canggctgcg 60
 gagctgcgat acagccttcc gcgggtctgn tggaaccccg acctntctg gtgtntntcc 120
 ntcccnccncc ccaaccgcgc aagggcctgc ctttctnct gggcctttgc cagcgnntgg 180
 ccanaccggg gccaaaccgg nccccgggca cattttaacc nagggcncnc ttntagaana 240
 aaaccccggn tgatgttata aagg 264

<210> 824
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(520)
 <223> n=A,T,C or G

<400> 824
 tcaagcngcc cccantntga tggatatctg caaaattcnc cctttcacgc gccgcccgc 60
 gcatgtctta ttatacaaca natccaact ccctaagngg ntcacacatn ntaaggtatt 120
 gttaacaaaa taggaaantc tattngaact aacaatcatc tctttgaatc tgcntatccc 180
 attaaaagca ttttcctcaa tattcctcat atcggttatg gncaatggat acccatctga 240
 gctggttgat ccttttaaat tnattatact taactttttg aaggctgtta tacccaaggg 300
 acaaacctaa ncaaccanca gatatacttg anggtntctc ctgtnatttc tcagattcca 360
 atataccatt ttgccttnac acctacagcc cttaggggca tcctcnttcc ncanaacaaa 420
 ncattntcac taagacagnc tggggtnntn caccaatggc taccaaact ctgnccgcna 480
 cccaccgcnt aaanggcnga aattnccnan ccacacgggt 520

<210> 825
 <211> 2064
 <212> DNA
 <213> Homo sapiens

<400> 825
 cgggtgcgctg agcgccggag gagcgtaggc agggcagcgc tggcgccagt ggcgacagga 60
 gccgcgcgac cggcaaaaat acacgggagg ccgtgcgcga aaagagtccg cggtcctctc 120
 tcgtaaacac actctcctcc accgggcgct cccctccgc tctgcgcgcc gccgggctgg 180
 gcgcccagag cgcctccgac tgctatgtga ccgcgaggct gcgggaggaa ggggacaggg 240
 aagaagaggc tctcccgcgg gagcccttga ggaccaagtt tgcggccact tctgcaggcg 300
 tcccttctta gctctcgccc gccctttct gcagcctagg cggcccgggt tctcttctct 360
 tcctcgcgcg cccagccgcc tcggttcccc gcgacatagg tgacgatgga ggagctgcgg 420
 gagatggact gcagtgtgct caaaaggctg atgaaccggg acgagaatgg cggcggcgcg 480
 ggcggcagcg gcagccacgg caccctgggg ctgcgcgagc gcggcaagtg cctgctgctg 540

gactgcagac cgttcctggc gcacagcgcg ggctacatcc taggttcggt caacgtgcgc 600
 tgtaacacca tcgtgcggcg gcgggctaag ggctccgtga gcctggagca gatcctgccc 660
 gccgaggagg aggtacgcgc ccgcttgccg tccggcctct actcggcggt catcgtctac 720
 gacgagcgca gcccgcgcg cgagagcctc cgcgaggaca gcaccgtgtc gctgggtggtg 780
 caggcgctgc gccgcaacgc cgagcgcacc gacatctgcc tgctcaaagg cggctatgag 840
 aggttttccct ccgagtaccc agaattctgt tctaaaacca aggccctggc agccatccca 900
 cccccggttc cccccagtgc cacagagccc ttggacctgg gctgcagctc ctgtgggacc 960
 ccactacacg accagggggg tcctgtggag atccttccct tcctctacct cggcagtgcc 1020
 taccatgctg cccggagaga catgctggac gccctgggca tcacggctct gttgaatgtc 1080
 tcctcggact gcccaaacca ctttgaagga cactatcagt acaagtgcac cccagtggaa 1140
 gataaccaca aggccgacat cagctcctgg ttcattggaag ccatagagta catcgatgcc 1200
 gtgaaggact gccgtggggc cgtgctggtg cactgccagg cgggcatctc gcggtcggcc 1260
 accatctgcc tggcctacct gatgatgaag aaacgggtga ggctggagga ggccttcgag 1320
 ttcgtaagc agcgccgcag catcatctcg cccaacttca gcttcatggg gcagctgctg 1380
 cagttcgagt cccaggtgct ggccacgtcc tgtgctgcgg aggctgctag cccctcggga 1440
 cccctgcggg agcggggcaa gacccccgcc acccccacct cgcagttcgt cttcagcttt 1500
 ccggtctccg tgggcgtgca ctgcggcccc agcagcctgc cctacctgca cagccccatc 1560
 accacctctc ccagctgtta gagccgccct gggggcccca gaaccagagc tggctcccag 1620
 caagggtagg acgggcccga tgcgggcaga aagttgggac tgagcagctg ggagcaggcg 1680
 accgagctcc tccccatca tttctccttg gccaacgacg aggccagcca gaatggcaat 1740
 aaggactccg aatacataat aaaagcaaac agaactctcc aacttagagc aataacggct 1800
 gccgcagcag ccaggggaaga ccttggtttg gtttatgtgt cagtttctact tttccgatag 1860
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<210> 826

<211> 2109

<212> DNA

<213> Homo sapiens

<400> 826

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 cggcccagg tctcttctct tcctcgcgcg ccagccgcc tcggttcccg gcgaccatgg 360
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 ccatagagta catcgatgcc gtgaaggact gccgtggggc cgtgctggtg cactgccagg 1200
 cgggcatctc gcggtcggcc accatctgcc tggcctacct gatgatgaag aaacgggtga 1260

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ggctggagga ggccttcgag ttcgttaagc agcgccgcag catcatctcg cccaacttca 1320
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ctttgttgtc gttgtttag ttaaaggaat ttcatttttt aaaagaaatc ttcgaagggtg 2040
tggttttcat ttctcagtc ccaacagatg aataattatg cttaataata aagtatttat 2100
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<210> 827

<211> 394

<212> PRT

<213> Homo sapiens

<400> 827

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Met Val Thr Met Glu Glu Leu Arg Glu Met Asp Cys Ser Val Leu Lys
              5                      10                      15

Arg Leu Met Asn Arg Asp Glu Asn Gly Gly Gly Ala Gly Gly Ser Gly
              20                      25                      30

Ser His Gly Thr Leu Gly Leu Pro Ser Gly Gly Lys Cys Leu Leu Leu
              35                      40                      45

Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser
              50                      55                      60

Val Asn Val Arg Cys Asn Thr Ile Val Arg Arg Arg Ala Lys Gly Ser
              65                      70                      75                      80

Val Ser Leu Glu Gln Ile Leu Pro Ala Glu Glu Glu Val Arg Ala Arg
              85                      90                      95

Leu Arg Ser Gly Leu Tyr Ser Ala Val Ile Val Tyr Asp Glu Arg Ser
              100                     105                     110

Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val Ser Leu Val Val
              115                     120                     125

Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile Cys Leu Leu Lys
              130                     135                     140

Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu Phe Cys Ser Lys
              145                     150                     155                     160

Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro Pro Ser Ala Thr
              165                     170                     175

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Glu Pro Leu Asp Leu Gly Cys Ser Ser Cys Gly Thr Pro Leu His Asp
 180 185 190
 Gln Gly Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr Leu Gly Ser Ala
 195 200 205
 Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu Gly Ile Thr Ala
 210 215 220
 Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe Glu Gly His Tyr
 225 230 235 240
 Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys Ala Asp Ile Ser
 245 250 255
 Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala Val Lys Asp Cys
 260 265 270
 Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile Ser Arg Ser Ala
 275 280 285
 Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg Val Arg Leu Glu
 290 295 300
 Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile Ile Ser Pro Asn
 305 310 315 320
 Phe Ser Phe Met Gly Gln Leu Leu Gln Phe Glu Ser Gln Val Leu Ala
 325 330 335
 Thr Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly Pro Leu Arg Glu
 340 345 350
 Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe Val Phe Ser Phe
 355 360 365
 Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser Leu Pro Tyr Leu
 370 375 380
 His Ser Pro Ile Thr Thr Ser Pro Ser Cys
 385 390

<210> 828

<211> 453

<212> DNA

<213> Homo sapien

<400> 828

ggatcatttta attgcataact ctatgaccac gcacatgtaa agccccttct gcaaaagaga
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60

120

gateggattg	ttgagcgctg	tgacctgcct	gaaatgcatg	tgggtgattg	gatgctcttt	180
gaaaacatgg	gcgcttacac	tgttgctgct	gcctctacgt	tcaatggctt	ccagaggccg	240
acgatctact	atgtgatgtc	agggcctgcg	tggcaactca	tgcaagcaatt	ccagaacccc	300
gacttccac	ccgaagtaga	ggaacaggat	gccagcacc	tgctgtgtc	ttgtgcctgg	360
gagagtggga	tgaaacgcca	cagagcagcc	tgtgcttcgg	ctagtattaa	tgtgtagata	420
gcactctggt	agctgttaac	tgcaagttta	gct			453

<210> 829

<211> 452

<212> DNA

<213> Homo sapien

<400> 829

ctgggccacg	aggacaccac	cagcttggat	cggcctcgcc	gtgtggaata	ctttgtagat	60
aagcaactcc	aagtaaaggc	tgtcacctgt	gggcctgga	acacctacgt	gtatgctgtg	120
gagaaaggga	agagctgaca	tgtgtacgta	tatgtatatg	caacacctgt	gagaccccca	180
ttcagggtcaa	ggaaaaccgt	tgctgcacc	ccaaggggccc	catatttgcc	cctccccatc	240
acagtccctgc	ccttcaccct	caagcacggg	cctaaacttg	tctgcacttt	agaaacacct	300
ggagagcatt	gaaaactctg	ctgcctaagg	tcagcatcaa	tcaaaacaat	gaaatcaatg	360
aaacaatgaa	accagagctt	ctagggtgtg	ggcctggata	gtggtagatt	caaagctcca	420
cccacctcat	cccagggtaca	tttgatgtgc	ag			452

<210> 830

<211> 450

<212> DNA

<213> Homo sapien

<400> 830

ctgaccccc	tttgtccaca	gctaagatgg	cagcagaatg	ctatgtcact	atatacagaa	60
acaagacaac	ctgaagctaa	atggatggcc	cctgcagagt	caacagggtcc	agcctcacag	120
tgcacgccct	gagctacagc	ctctcccaaa	aggcatcttc	cccacagcct	caacgccgag	180
caaggagcat	caagggtttg	tctcggttgt	tttgttcttt	ttacaaacta	tagatatata	240
cagttgaaaa	ctcaggattt	ctagccaata	accatagtta	ccaccacctt	acaaataaaa	300
agaaaaatgcc	agaaacatct	ttaaatgcct	tgtcacacca	acagcaaagt	gcacagagtg	360
aggagaacac	gagagtgcct	tttcatttta	aaaatgtttg	gaaatatgta	caactttgat	420
acagtttcag	ggtgctccag	acacccatgg				450

<210> 831

<211> 395

<212> DNA

<213> Homo sapien

<400> 831

ctctaaaccc	ctccacattc	ccgcggctct	tcagactgcc	cggagagcgc	gctctgcctg	60
ccgcctgcct	gcctgccact	gaggggtccc	agcaccatga	gggcctggat	cttctttctc	120
ctttgcctgg	ccgggagggc	cttggcagcc	cctcagcaag	aagccctgcc	tgatgagaca	180
gaggtggtag	aagaaaactgt	ggcagagggtg	actgaggtat	ctgtgggagc	taatcctgtc	240
caggtggaag	taggagaatt	tgatgatggg	gcagaggaaa	ccgaagagga	ggtgggtggcg	300
gaaaatccct	gccagaacca	ccactgcaaa	cacggcaagg	tgtgcgagct	ggatgagaac	360
aacaccccca	tgtgcgtgtg	ccaggacccc	accag			395

<210> 832

<211> 291

<212> DNA

<213> Homo sapien

<400> 832

ctgactcttc	catctgtgca	ggttgactga	ggtcattcct	gagttgcagt	atgttgagag	60
ggtaatat	ctgtcttctc	taactcccca	tactcccttg	tcttccactc	tccacttagg	120
agttttttgt	gagttatgtc	cttggtgctt	ttgcctcttt	ttctttctag	ccttgattgt	180
gccagaagac	aatgtcccta	ttcacacact	ctttctgctt	ttctgtgggc	aggaacatgg	240
aaggggtgct	gatggacgtg	gactgtgaga	gcgtctaccc	caactgtgtag	g	291

<210> 833

<211> 491

<212> DNA

<213> Homo sapien

<400> 833

ctgtagcttc	tgtgggaactt	ccactgctca	ggcgtcaggc	tcaggtagct	gctggccgcg	60
tacttggtgt	tgttttgttt	ggaggggtgtg	gtgggtctcca	ctcccgctt	gacggggctg	120
ctatctgctt	tccagggcac	tgtcacggct	tccgggtaga	agtcacttat	gagacacacc	180
agtgtggcct	tgttggcttg	aagctcctca	gaggagggcg	ggaacagagt	gaccgagggg	240
gcagccttg	gctgacctag	gacgggtcagc	ttgggtccctc	cgccgaagac	cacattattg	300
ccgtcccacg	tctgacagta	atagtcagcc	tcatccatag	cctgggtccc	gctgatggtc	360
agagtggctg	tgttcccaga	gttggagcca	gagaagcgct	cagggatccc	tgaagaccgc	420
ttattatctt	gataaatgac	taccacaggg	gactggcctg	gcttctgttg	ataccaacaa	480
gcagatacct	g					491

<210> 834

<211> 308

<212> DNA

<213> Homo sapien

<400> 834

ctggtcgagg	tccacgcgcg	ggtaggtgaa	cttgcggaag	gtccgcttct	tcttctgctc	60
tacttctgcc	gtgctggaga	acatcgaact	gaacaagaag	agtatgtatt	cccgtgtgcc	120
agagtgccag	gtcaccacat	actattatgt	tgggttcgca	tatttgatga	tgcgtcgta	180
ccaggatgcc	atccgggtct	tcgccaacat	cctcctctac	atccagagga	ccaagagcat	240
gttccagagg	accacgtaca	agtatgagat	gattaacaag	cagaatgagc	agatgcatgc	300
gctgctgg						308

<210> 835

<211> 472

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(472)

<223> n = A,T,C or G

<400> 835

ctgacatggt	aactgtgatg	cataaaactc	gatcttctga	tggggagtaa	gtgcagaagg	60
tagaaatctc	cgccccgcgg	gggcttatct	gtactggtag	ttcatgctgt	ggctctgcgtt	120
tctgccatag	ccgccttggt	aggactggta	ggagctggga	gggccactgt	agttctggcc	180
ggacccccgg	gagttgtagt	tcgactgtga	gtagcctcct	tgtttgcctt	ggatatgagga	240
gccgccccca	gaacctccgc	cgtagcccc	gtgtgacctt	gggttgtagg	atgccccgcc	300

tgagccgtag	ctgttcccg	cgcttcggcc	tccactacca	ctgtagttga	atttgctctc	360
gtagntgtag	tccgatccgc	ccccgcccc	gggagagttg	tngganttcg	agtaggagta	420
gctgccttgt	ccatggttat	agcctttctg	cttgccctgt	ggagggccat	ag	472

<210> 836
 <211> 354
 <212> DNA
 <213> Homo sapien

<400> 836						
ccagtgaac	cttcagatag	acacatgggtg	accagagccc	gccaggcttc	tgcaggtggc	60
agtgtcgagc	aagtgtgaaga	tgtctgtggg	aaggagaagc	tcctgaaatg	aacgttctgc	120
aaacagaagg	ctgaggggtc	ttccaggcat	gtccagtcac	taggagctgc	caccggtggg	180
cttgagtgcc	aggctctagg	ctttgtgcag	aaagcaccgc	gggcgggggg	cggtaaggga	240
gagcaaaatg	ggtctctctc	aactgcagtc	agtgtcctg	ggaacacggt	ctcacagaca	300
gcacatatcc	tacgtcacag	ctctaggggtt	tcaaggactt	agccatccga	cagg	354

<210> 837
 <211> 318
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (318)
 <223> n = A,T,C or G

<400> 837						
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tttgatgcgg	aatctgccga	gtgatggcgg	ctccccaggg	atgcgccgag	ggagatggga	120
aacggggcgg	atggcgccca	gcccagccct	aaotgccagc	cacattgaag	cggacattgg	180
caaccgggtc	cccagccatg	cgcagaaccg	tgggtagcat	gtgcttggtg	gtgatgtcct	240
gcccacagac	ctcagacggc	acattgatgc	agaagagcgt	antcatgcgg	tgcaggtagt	300
tgggggtctcc	ggacatgg					318

<210> 838
 <211> 277
 <212> DNA
 <213> Homo sapien

<400> 838						
ctgcgcgtcg	ccaaagtgaac	aggcgggtgcg	gcctccaagc	tctctaagat	ccgagtcgtc	60
cggaaatcca	ttgcccgtgt	tctcacagtt	attaaccaga	ctcagaaaga	aaacctcagg	120
aaattctaca	agggaagaa	gtacaagccc	ctggacctgc	ggcctaagaa	ggcacgtgcc	180
atgcgccgcc	ggctcaacaa	gcacgaggag	aacctgaaga	ccaagaagca	gcagcggaag	240
gagcggctgt	acccgctgcg	gaagtacgcg	gtcaagg			277

<210> 839
 <211> 276
 <212> DNA
 <213> Homo sapien

<400> 839						
ccaaggaatg	caggctgtac	tatctgcgaa	atggagaacg	tatttcagtg	tcggcagcct	60

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ccaagctgct gtccaacatg atgtgccagt accggggcat gggcctctct atgggcagta      120
tgatctgtgg ctgggataag aagggtcctg gactctacta cgtggatgaa catgggactc      180
ggctctcagg aaatatgttc tccacgggta gtgggaacac ttatgcctac ggggtcatgg      240
acagtggcta tcggcctaata cttagccctg aagagg                                276

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```

<210> 840
<211> 453
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (453)
<223> n = A,T,C or G

```

```

<400> 840
ccttctttgc catgaccaag ctctttcagt ccaatgatcc cacactccgt cggatgtgct      60
acttgaccat caaggagatg tcttgcattg cagaggatgt catcattgtc accagcagcc      120
taacaaaaga catgactggg aaagaagaca actaccgggg cccggccgtg cgagccctct      180
gccagatcac tgatagcacc atgctgcagg ctattgagcg ctacatgaaa caagccattg      240
tggaacaagg gccagtggtc tccagctctg ccctcgtgtc ttccttgcac ctgctgaagt      300
gcagctttga cgtgggtcaag cgctgggtga atgaggctca ggaggcagca tccagtata      360
acatcatggt ccagtaccac gcactanggc tctgtacca tgtgcgtaag aatgaccgcc      420
tagccgtcaa taagatgata agcaaggctg cac                                453

```

```

<210> 841
<211> 142
<212> DNA
<213> Homo sapien

```

```

<400> 841
agcctctcta gtggcagagc agctcacact ccctccgctg ggaacgatgg cttctgccta      60
gtacctatcc ttgtgtttct gatgcagtgg tagcattggt tcaagttctc tctgtctgtg      120
gtcagagttg cttcagatgt gg                                142

```

```

<210> 842
<211> 83
<212> DNA
<213> Homo sapien

```

```

<400> 842
cctaaaagca gccaccaatt aagaaagcgt tcaagctcaa caccactac ctaaaaaatc      60
ccaaacatat aactgaactc ccc                                83

```

```

<210> 843
<211> 482
<212> DNA
<213> Homo sapien

```

```

<400> 843
ccatcgggtg ctggcagatg cggcacctca agagcttctt tgaagccaag aagcttgtgt      60
agctgtccca ggcgtcacia cccatcctcc caggctgggg gagaaaggac ctcttgggaa      120
tgacttcttc tgtcaggagg actggtttcc agccatacct gttctggaag ggagaggggc      180
tggaggcacc cacaggcaca agctgaaggc agcagcttgg ctaatactga gcaggtagtg      240

```

```

gggcaaattc ctgccctctc tctctggcct ctgggccggt tggtagtaat cccccagggg 300
ctggtaaagc cctctctctt ggcacctcag aatcacagtg ttactgatca gggatgtgag 360
gctgctgttg ggggtggggg gaggggaatg ggcaggcaag ccagtcttct gtcttccttt 420
gctaacttag ggttttgagc aggttggggg tatggtgcct gtcataccca cctgccaccc 480
tg

```

```

<210> 844
<211> 534
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (534)
<223> n = A,T,C or G

```

```

<400> 844
ccagattttt caagttttaa ggaggaaact gcttattgga aggaactttc cttgaagtat 60
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ttagaagcag agttggaggc acaattagta caggctgaac aaagaaatag agacttgca 180
gctgataacc aaagactgaa atatgaagcg gaggcattaa aggagaagct agagcatcaa 240
tatgcacaga gctataagca ggtctcagtg ttagaagatg atttaagtca gactcgggcc 300
attaaggagc agttgcataa gtatgtgaga gagctggagc aggccaacga cgacctggag 360
cgagccaaaa gggcaacaat agtttctact gaagactttt gaacaaaggc taaaccaggc 420
cattgaacga aatgcatttt tagaaagttg aacttgatga aaaaggaatc tttgttggtc 480
tctgtacaga ggttnaagga tgaagcanga gatttaaggc aagaactagc agtt 534

```

```

<210> 845
<211> 175
<212> DNA
<213> Homo sapien

```

```

<400> 845
tcgacctgtg gcaaagtgtg ctaccctgcc aagcgcaaga gaaagtataa ctggagtgcc 60
aaggctaaaa gacgaaatac caccggaact ggtcggatga ggcacctaaa aattgtatac 120
cgcagattca ggcattggatt ccgtgaagga acaacaccta aaccaagag ggag 175

```

```

<210> 846
<211> 179
<212> DNA
<213> Homo sapien

```

```

<400> 846
cgcgtggaca gttgcgaggg gtctgtgtga aggcaattgt cacgagcttc aatactgccg 60
ccgtcccagg atgggagAAC tgcgcagcag gaagggcact tctgaaagca cagtggagag 120
atcgctggag cgggcgttct gggcaggagg aagcacagac ggcaggcagg gtggactgg 179

```

```

<210> 847
<211> 410
<212> DNA
<213> Homo sapien

```

```

<400> 847
ccacccaaac cagtcacaag acctggagtt gtctgtgcag atgtacgccc aagccgcctt 60

```


ggatggagac	tcccagggat	tttttaacct	ggccctgcta	atcgaggaag	gtacgataat	120
cccacaccat	atcttggatt	tcttggaaat	tgactcaact	ctccattcta	ataacatctc	180
cattctccag	gaactgtacg	aaaggtgctg	gagccacagt	aacgaggagt	ccttcagccc	240
ctgctccttg	gcctggcttt	acctgcactt	gcggcttctc	tggggtgcta	tcctgcactc	300
agccctgatc	tactttctgg	gaacctttct	gctatccata	ttgatcgctt	ggactgtgca	360
gtatttccag	tctgtctcag	caagcgatcc	ccctccaaga	ccatcccagg		410

<210> 848

<211> 557

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (557)

<223> n = A,T,C or G

<400> 848

cacgggcccc	cagccctgtg	tgggccttgt	ctgtctcagc	tcaaccacag	tctgacacca	60
gagcccactt	ccatcctctc	tgggtgtgagg	cacagcgagg	gcagcatctg	gaggagctct	120
gcagcctcca	cacctaccac	gacctcccag	ggctgggctc	aggaaaaacc	agccactgct	180
ttacaggaca	gggggttgaa	gctgagcccc	gcctcacacc	caccccatg	cactcaaaga	240
ttggatttta	cagctacttg	caattcaaaa	ttcagaagaa	taaaaaatgg	gaacatacag	300
aactctaaaa	gatagacatc	agaaattggt	aagttaagct	ttttcaaaaa	accagcaatt	360
ccccagcgta	gtcaagggtg	gacactgcac	gctctggcat	gatgggatgg	cgaccgggca	420
agctttcttc	ctcgagatgc	tctgctgctt	gagagctatt	gctttgttaa	gatataaaaa	480
ggggtttctt	tttgtctttc	tgttaaggngg	acttccagct	tttgattgaa	agtcctaggg	540
tgattctatt	tctgctg					557

<210> 849

<211> 525

<212> DNA

<213> Homo sapien

<400> 849

ctgatggttt	ggaaatgaga	gaactacagt	ggtgaagaga	ccaggaggca	gctctcagtg	60
aaaccaacat	tgcgcatgcc	cttcgtgagc	cttctcagtc	ccagcaggaa	gcccacaaca	120
ctggcctccc	cagcctgcct	gctgacaaca	cctaggetta	ctttatctaa	aatcagagtg	180
taccaggctc	gtagcagaaa	ataatcaact	aaatgtcagg	gacctatgag	tcatttaaaa	240
caaaagagga	agtgaaagcc	attaggcaag	ctatgtgctg	ggctgctaac	gtagcccctg	300
cagggagggg	tcaggagcgc	gctgcagtga	gccttgggtc	tcgcaggccc	agccctgctg	360
caaggagcca	gggcacccag	gaaacatcag	cacacacaca	cacagggacc	ctcccttcac	420
gtcacttggt	ttgctgccct	aaatggcttc	ttgcacccta	acccctgatc	ctggaagaag	480
gcagagagac	tggcccgtac	agagacctgc	aattctacgc	aagct		525

<210> 850

<211> 384

<212> DNA

<213> Homo sapien

<400> 850

cctcttggag	cacatccttt	actgcattgt	ggacagcgag	tgtaagtcaa	gggatgtgct	60
ccagagttac	tttgacctcc	tgggggagct	gatgaagtgc	aacgttgatg	cattcaagag	120
attcaataaa	tatatcaaca	ccgatgcaaa	gttccaggta	ttcctgaagc	agatcaacag	180

ctccctggtg	gactccaaca	tgctggtgcg	ctgtgtcact	ctgtccctgg	accgatttga	240
aaaccaggtg	gatatgaaag	ttgccgaggt	actgtctgaa	tgccgcctgc	tcgcctacat	300
atcccaggtg	cccacgcaga	tgctcttcct	cttccgcctc	atcaacatca	tccacgtgca	360
gacgctgacc	caggagaacg	tcag				384

<210> 851
 <211> 423
 <212> DNA
 <213> Homo sapien

<400> 851						
ctcaggaaaa	accagccact	gctttacagg	acaggggggtt	gaagctgagc	cccgccctcac	60
accaccccc	atgcactcaa	agattggatt	ttacagctac	ttgcaattca	aaattcagaa	120
gaataaaaaa	tgggaacata	cagaactcta	aaagatagac	atcagaaatt	gttaagttaa	180
gctttttcaa	aagatcagca	attccccagc	gtagtcaagg	gtggacactg	cacgctctgg	240
catgatggga	tggcgaccgg	gcaagctttc	ttcctcgaga	tgctctgctg	cttgagagct	300
attgctttgt	taagatataa	aaagggggtt	ctttttgtcc	ttctgtaagg	tggacttcca	360
gcttttgatt	gaaagtccta	gggtgattct	atttctgctg	tgatttatct	gctgaaagct	420
cag						423

<210> 852
 <211> 413
 <212> DNA
 <213> Homo sapien

<400> 852						
ctgaaaacag	tgggaggcca	gatgctggca	tcttccagac	gggagcatag	ccatggtcac	60
tctagccgat	gtctcctggg	gctctcaggc	ggcaaggacc	agatgcacca	ctactgtcca	120
atcccagttt	tacttagagc	cacctccttt	tttggggcca	ttagtcctta	tttcatgcca	180
gattttcact	agcggtctcc	tgttcttcca	aatcaattca	tgaccgtaag	taacatacca	240
tattccaaaa	agagctcccc	caagatgtgc	cgcgatgatca	aaaaatttcc	atcccaggat	300
cattctgctg	gtatccatgg	cgataatggc	tttcaggggca	ttccttgctg	tgaacgtgaa	360
catcggaagg	aaaataatgg	caagcctccc	ttctggggatc	ttagtgcaga	cag	413

<210> 853
 <211> 288
 <212> DNA
 <213> Homo sapien

<400> 853						
atctgtgagt	tctgagaggc	atttagggcca	tgggacaggg	aggatcctgt	ctggccttca	60
gtttccatcc	ccaggatcca	cttgggtctgt	gagatgctag	aactcccttt	caacagaatt	120
cacttgtggc	tattagagct	ggaggcaccc	ttagccactt	cattcccttg	atgggccttg	180
actcttcccc	ataatcactg	accagccttg	acactccctt	tgcaaacct	cccagcactg	240
caccccaggc	agccactcct	agccttgggc	tttggcatga	gatggggg		288

<210> 854
 <211> 427
 <212> DNA
 <213> Homo sapien

<400> 854						
ccaagtgaga	tcagccctca	agggcacatg	ccaagggcag	agcagcccat	gtagacagct	60
tcggagggga	tgggggtgta	gggagttcgg	ggtagctcct	cattaactat	ttgttgggtg	120

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<210> 855
<211> 311
<212> DNA
<213> Homo sapien
```

```
<210> 856
<211> 328
<212> DNA
<213> Homo sapien
```

```
<210> 857
<211> 502
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(502)
<223> n = A,T,C or G
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<400>	857		
ctgaccggac	cggatcatgcc	cgctccggaac	gtctataaga
aggagaaagc	tcgagtcatc		60
actgaggaag	agaagaattt	caaagccttc	gctagtctcc
gtatggcccg	tgccaacgcc		120
cggctcttcg	gcatacgggc	aaaaagagcc	aaggaagccg
cagaacagga	tgttgaaaag		180
aaaaaataaa	gccctcctgg	ggacttggaa	tcagtcggca
gtcatgctgg	gtctccacgt		240
ggtgtgtttc	gtgggaacaa	ctgggcctgg	gatggggcct
cactgctgtg	acttctcct		300
gccaggggat	ttggggcttt	cttgaaagac	agtccaagcc
ctggataatg	ctttactttc		360
tgtgttgaag	cactgttggg	tgtttggtta	gtgactgatg
taaaacgggt	ttcttgtggg		420
gaggttacag	aggtgactt	cagagtggac	ttgtgttttt
tcttttttaa	gangtaaggt		480
tgggctgggtg	ctcacagacc	tc	502

<210> 858
 <211> 411
 <212> DNA
 <213> Homo sapien

<400> 858
 cggccgaggt ccttaatagt taagttacag ctaagaatgt catgtcttgg gttggaattt 60
 tcatttttag caccgttaat gtattcactt aaatctatgt tagcaccttg tctccaggca 120
 gaacaacaaa ccatccaaac attttaaaaca ttgggggaaa cacgaagggg aggggttaaag 180
 acagaatcca gtactgtgga aggagtggat ttagatcaca agatccttgt cgatatcctt 240
 ctgcttgatg ccgaagcagc cggcccactc atccagggcg atgtacttgt cattgtccag 300
 gtcacaggtc tcgaaaaagc ggggtggtgca atgctccatg gggatgaggg gagcacgcag 360
 tggagccagc tcggtgtggg agaggtaccc gtcaatgggg tgctgtcca g 411

<210> 859
 <211> 232
 <212> DNA
 <213> Homo sapien

<400> 859
 aaatcacaga gggacttagt attccattaa tgcaaattgga aacattaagt tcatcatcag 60
 atgataaaag gaaaaaaaaa acctgatact catctcaaaa gacgcagaga agacatctgc 120
 ataaatccag tacctattat tatttcaaat taaaaaactt cttctttttt aagagatagg 180
 gtatcactat gttgcccagg ctgatcttga actcttggcc tcagatgatc ct 232

<210> 860
 <211> 235
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (235)
 <223> n = A,T,C or G

<400> 860
 tgcccagaaa ggaaggggct attgcctcct cccagccagc ttccctttcc tectctcctt 60
 cctgtggatt ctcccatcag ccatctgggt ctccctcttaa ggccagttga agatgggtccc 120
 ttacagcttc ccaagttagg ttagtgatgt gaaatgctcc tgtccctggc cctacctcct 180
 tccctgtccc caccctgca taaggcagtt gttggttttc ttcccgaatn ctttt 235

<210> 861
 <211> 457
 <212> DNA
 <213> Homo sapien

<400> 861
 ccaaaggaaa gttggaaggc aactgacaga ttctgccttt taggtacttg aactggcagg 60
 aaatgcatca aaagacttaa aggtaaagcg tattaccctt cgtcacttgc aacttgctat 120
 tcgtggagat gaagaatttg attctctcat caaggctaca attgctgggt gtggtatggt 180
 aacttctaac attttaaaaa atttcttcag aggaaggaat tttttgctgc ttttaattag 240
 tttttccagg agaggaaatt taagtatatt ttcaatgatg gaagtatggt tgtatcatga 300
 aatttgattt atatgtataa ctcaatgaat ttttacctca tacttgagct gcatgttttt 360
 aaagatacct ttcaagttga acagtataca ctttcttgggt ttcaaatact gtgatttttt 420

aaaaaatctt aagtagaatt aattcctgtc actcccc

457

<210> 862
<211> 561
<212> DNA
<213> Homo sapien

<400> 862
ccaggtcatc accattggca atgagcgggt cgggtgtccg gaggcgctgt tccagccttc 60
cttcctgggt atggaatctt gcggcatcca cgagaccacc ttcaactcca tcatgaagtg 120
tgacgtggac atccgcaaag acctgtacgc caacacgggtg ctgtcgggcg gcaccacat 180
gtatccgggc attgccgaca ggatgcagaa ggagatcacc gccctggcg ccagcaccat 240
gaagatcaag atcatcgac cccagagcg caagtactcg gtgtggatcg gtggctccat 300
cctggcctca ctgtccacct tccagcagat gtggattagc aagcaggagt acgacgagtc 360
ggggccctcc atcgtccacc gcaaattgctt ctaaaccggac tcagcagatg cgtacgattt 420
gctgcatggg ttaattgaga atagaaattt gccctggca aatgcacaca cctcatgcta 480
gcctcacgaa actggaataa gccctcgaaa agaaattgtc cttgaagctt gtatctgata 540
tcagcactgg attgtagaac t 561

<210> 863
<211> 291
<212> DNA
<213> Homo sapien

<400> 863
ccatagctgt cccacctatg gttttaaaaa cagactgtaa cttgatcttc tgaaatcctt 60
ctcgaaccac aactcgttct gttaaagaaa tcttaggaaa gaagtcctac tgatattgtc 120
gatagtctcc aaaagggtgag gaaggtaact gagttgaagg caactgggag gggctctctg 180
caaaactgagg accattggaa aactgtgcag aggcaaatct tgtcaacaag ataccagctc 240
cttcaattaa agctaggaga atgccaccca ttgcggctga cccaaccatg g 291

<210> 864
<211> 265
<212> DNA
<213> Homo sapien

<400> 864
ctgaactttt ccacctggag tccttgggaa taccggacgt gatcttcttt tataggtcca 60
atgatgtgac ccagtcctgc agttctggga gatcaaccac catccgcgtc aggtgcagtc 120
cacagaaaac tgtccctgga ggtttgctgc tgccaggaac gtgctcagat gggacctgtg 180
atggctgcaa cttccacttc ctgtgggaga gcgcggctgc ttgcccgctc tgctcagtgg 240
ctgactacca tgctatcgtc agcag 265

<210> 865
<211> 144
<212> DNA
<213> Homo sapien

<400> 865
cctccacctg cgttttgatc tagatgagca tattgtccat ctcccacagc ttgctccggg 60
tccgcaggta cgcgcggcgc tgctcgcgcg tcagcgacgc gatgtcctcg cgcctctcgt 120
tgatgaccgg gagcagaaac tgct 144

<210> 866

<211> 241
 <212> DNA
 <213> Homo sapien

<400> 866
 ctggctgtaa gtagcttcat agcaccagtc tttgagaatg tcaagctctc cagaaatcat 60
 ggcctccagg acattgggga tgatgtcgtt ctgcgactgt ttcagaaacc ggtccttgtc 120
 aaaggccggg tccaccgga ggatctcgt gagcacctcc gacatctctg tcttgagaa 180
 caggccccc agcaagtcgg tgacctgtc cgtaagggcc cgggatgccc ggatgaacgc 240
 g 241

<210> 867
 <211> 364
 <212> DNA
 <213> Homo sapien

<400> 867
 cctgggcccg ctgaacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
 ttatttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120
 ggctcactgc aacctctgcc tcttgggctg cagtgattct cctgcgttca agtaattctc 180
 ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240
 ttctgatttt tagtagaaat ggggtttcac catgttggtg aggtctggtc cgaactcctg 300
 acctcaagga tctctctgcc tcggcctcct aaggtgctgg gattgcaggt gtgagccacc 360
 acgt 364

<210> 868
 <211> 472
 <212> DNA
 <213> Homo sapien

<400> 868
 ccaccagtcc acagatgtga ctggtaaggg atctagtaac agaggatgga gttgggcaga 60
 atattatcct ggatgatatg caccagcac taggatacac ctttcattag aatgaagaga 120
 acagacaaag cctcagaaa agatacaaag gcagagacat tgattagaac attatctcat 180
 aacagagggtg gggccattac ccaccattat tgtaaaataa ctgtaactaa ccaaaacaca 240
 tacaggcttc tttaatggag ttaataaaaac tatggcacat tgggaatcag gggcagaggt 300
 actgttccca gacggaaaac tgggataaaag ggagccatgc tgacagggcc ttattccagt 360
 ctaggttggt agaaaggagc cctagcccag aaatgacagc aaatagccat aatcattatg 420
 tggggctgaa ccagaggaag ccaggctgag ccaagaagct ggaagtatct tg 472

<210> 869
 <211> 368
 <212> DNA
 <213> Homo sapien

<400> 869
 cttttcttgt aagtgaagaa aaaggaatgc agcaaagaag agttcgacat tggagtcctt 60
 agttccatca ggatcccatt cgcagccttt agcatcatgt agaagcaaac tgcacctatg 120
 gctgagatag gtgcaatgac ctacaagatt ttgtgttttc tagctgtcca ggaaaagcca 180
 tcttcagtct tgctgacagt caaagagcaa gtgaaacctt tccagccta aactacataa 240
 aagcagccga accaatgatt aaagacctct aaggctccat aatcatcatt aaatatgccc 300
 aaactcattg tgacttttta ttttatatac aggattaaaa tcaacattaa atcatcttat 360
 ttacatgg 368

```
<210> 873
<211> 397
<212> DNA
<213> Homo sapien
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<400> 873
ctgtgggctc tgaatggcgt ccctttggct atccacgccg cgggcgacca ctgaattctg 60
tggttctaca acaggggtctg gctgaccgaa ttgtcagaga cgtccaggaa ttcacgata 120
acccaagtgt gtacactgac agaggcattc cttacagacg tggctacctg ctttatgggc 180
cccctgggtt cggaaagagc agttttatca cagccctggc tggggaactg gagcacagca 240
tctgectgct gagcctcacg gactccagcc tctctgatga ccgactcaac cacctgctga 300
gcgtggcccc gcagcagagc ctggtactcc tggaggatgt ggatgctgct tttctcagtc 360
gagacttggc tgtggagaac ccagtaaagt accaagg 397

<210> 874
<211> 156
<212> DNA
<213> Homo sapien

<400> 874
ccagaagaac actatgccat gggtgcactg aattttgtgc ctactctagg gcaaacagaa 60
ttacaatcga aggagtccct atctatctgt aaagaagaga acatgaaatt ctgttggcag 120
aagcagcatt ttgaagaaat aaaaggttca ctgcag 156

<210> 875
<211> 512
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

<400> 875
ccagcatagc gaaaacttgt ctctactaaa aatacaaaaa ttagtcaggc atggtggtgc 60
acgtctgtaa taccagcttc tcaggaggct gaggcacgag gatcacttga acccaggagg 120
aggagggttg agtgagctga gatcatgcca gggcaacaga atgagacttt gtttaaaaaa 180
aaaaaaagtg acttgattta agggaaaaaa tgactggcta tattcagtca gatatggcaa 240
agagtctcaa ggtgttaatg tgaatgatta aggtcttggg ggggggtgtcc cctatcagac 300
tacagggtgt tagaggcaca gaaaaaggtg cagttgggtt cttaatgtga aatgatgaga 360
agcacaactc cagtgtgtct ctttgtgtag aatgtcagca gacacccct gctagatgtg 420
ctggatcatg ggaaagcatt tocatattgt aatagattgt tcagaagttt taatttatga 480
tgggtgtggt ggctcatgcc tgtngtccca gc 512

<210> 876
<211> 199
<212> DNA
<213> Homo sapien

<400> 876
cctgtgccgg gccccagggc tggcagccac cagctcctct tccaggcatg ggggacaccc 60
tgacaggatc cggaagtctc catttaccba aaaatgcaag agccatgatc agtcatggcg 120
acactgcagg cggtactgag tgaccatgtc cagtccggct ccgtccctcc cacacggggg 180
acaagcttct ccgaggagg 199

<210> 877
<211> 486
<212> DNA

<213> Homo sapien

<400> 877

cgcgtgtgct	gctcccttct	gccaggagcc	cactgctttt	gcacacaagc	tgcatthttgc	60
gcattgactc	aggtcccagt	tgctcttcat	atctccgtga	atgattggag	tgcaaagata	120
ctgttctgag	cgttcccgt	tttctgaaag	ccatgtctct	caggcatgcc	tcgcttagtt	180
ggcgatgggg	ttgggtgact	gttttcgctt	ttttcttctt	ctcttttctt	cttcttcttc	240
tttttttttc	ttttcctttt	ctccccctcc	caacgccact	gacaagaaag	cactaaagat	300
gcaggttgtg	cgatcacccct	ataacataag	gaaaagaaca	ggagagggtta	atttgaacgt	360
gtaggctagt	ggtagaggga	gatggaggtc	tggggaaaga	gtctgtcagg	tagacatctc	420
ttttaacatg	tcccagtatt	cggttcacca	gtatctctgc	acctcactac	tacccttcac	480
tccttg						486

<210> 878

<211> 363

<212> DNA

<213> Homo sapien

<400> 878

cctgggcccg	ctgacttcag	ggtgaggcca	cagctactgc	agcgcttttt	atttatthtat	60
ttactgagat	ggagtcttgc	tctgtcacc	aggctggagt	gcagtgggtgc	aatctcggct	120
cactgcaacc	tctgcctcct	gggtgcagt	gattctcctg	cgttcaagta	attctcctgc	180
ctcggccttc	tgagtagttg	ggattacagg	catatgccac	cacacttggc	taatttttgt	240
atttttagta	gaaatggggg	ttcaccatgt	tggcgaggct	ggctctgaac	tcctgacctc	300
aaggatcctc	ctgcctcggc	ctcctaaggt	gctgggattg	caggtgtgag	ccaccacgtc	360
tgg						363

<210> 879

<211> 365

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (365)

<223> n = A,T,C or G

<400> 879

gcccattgcca	gcgtgtggtc	agcacgcaca	acttgtggct	gctgtccttc	ctgaggaggt	60
ggaatgggag	cacagccatc	acagacgata	ccctgggtgg	cactctcacc	attacgtgc	120
ggaatctaca	accccatgat	gcgggtctct	accagtgcc	gagcctccat	ggcagtgagg	180
ctgacaccct	caggaaggtc	ctggtggagg	tgctggcaga	ccccctggat	caccggaatg	240
ctggagatct	ctggttcccc	ggggagtctg	agagcttcga	ggatgcccc	atggagcaca	300
gcattctccag	gagcctcttg	gaaggagaaa	tccccctccc	accacttcc	atccttntcc	360
tcctg						365

<210> 880

<211> 431

<212> DNA

<213> Homo sapien

<400> 880

ccatctcccc	tcaccccaac	ctggataaaa	tgttacacta	cccactaata	taaccactga	60
cacacaaacc	aagctccttc	cagtttaaca	ttgaacatca	atctacattt	ccagtgaatg	120

agctaaactt	atgagcaggc	cattcaactt	ttcatgatac	atttagtgct	cagaaatggt	180
tgattccatt	agcctgcctt	atagctcagg	tgccccaaga	tgagcctat	catcttcctt	240
ggggtgtttg	gtgtttccaa	gtaggagcat	aaaaaggata	ccgtccccta	ccccaccacc	300
ccatcccaca	taccctcact	ggcatccagg	agaccagcag	caggctcaag	accccaaatg	360
ttgggcacca	caaataatgt	gatatgtgcc	aggagcacgg	ggggtagggg	tgaaagagaa	420
aaacaataag	g					431

<210> 881
 <211> 335
 <212> DNA
 <213> Homo sapien

<400> 881						
ccacagaggt	ggtattacaa	aatatacaaa	gtggtttctt	tctttacatt	tcatagaaga	60
agcctgcctc	atttccaaat	gagagcacta	gaagcacaaa	tcatgcagac	catttactat	120
ataacttatg	aaaaatgctg	tacagggctg	tgactataga	tatagagtat	ttggctctgt	180
ttgggaattg	atatctacaa	gggggagggg	caggggagga	ctgtctgata	tcctgacttg	240
ctgggatggg	ggagaagctg	ggatggggga	ggccccaatc	ttgctgcacg	gctacacca	300
ctcctccttt	cctagataag	gctggagcgc	actgg			335

<210> 882
 <211> 353
 <212> DNA
 <213> Homo sapien

<400> 882						
atgcactcaa	agattggatt	ttacagctac	ttgcaattca	aaattcagaa	gaataaaaaa	60
tggaacata	cagaactcta	aaagatagac	atcagaaatt	gttaagttaa	gctttttcaa	120
aaaatcagca	attccccagc	gtagtcaagg	gtggacactg	cacgctctgg	catgatggga	180
tggcgaccgg	gcaagctttc	ttctctgaga	tgctctgctg	cttgagagct	attgctttgt	240
taagatataa	aaaggggttt	ctttttgtct	ttctgttaagg	tggaattcca	gcttttgatt	300
gaaagtccta	gggtgattct	atttctgctg	tgatttatct	gctgaaagct	cag	353

<210> 883
 <211> 193
 <212> DNA
 <213> Homo sapien

<400> 883						
ctggcagaga	agaatggcta	cgtgactgtc	agtgagatca	aagccagtct	taaatgggag	60
accgagcgag	cgcggcaagt	gccggaacac	ctgctgaagg	aagggttggc	gtggctggac	120
ttacaggccc	caggggaggg	ccactactgg	ctgccagctc	tctcactga	cctctactcc	180
caggagatta	cag					193

<210> 884
 <211> 461
 <212> DNA
 <213> Homo sapien

<400> 884						
ctgaagaacc	ccatcagcgg	gctgttagaa	tatgcccagt	tcgctagtca	aacctgtgag	60
ttcaacatga	tagagcagag	tggaacaccc	catgaacctc	ggtaagagac	caccacaggaa	120
ctgtacctag	ggttggggtc	aggtgctttt	gctcctgacg	cagtcttggc	tgattttgtga	180
gcagtgcctg	ttggtggcgc	ctatcttttc	ctccttccct	tctgcctttt	agctaaattc	240

```
<210> 885
<211> 266
<212> DNA
<213> Homo sapien
```

<400>	885						
ctgcaatgct	tcancaact	tcagcaccga	ggctgggcat	gaggggtccg	tcaccaccac		60
atcaaatacc	cctaaagcaa	tatctttgtt	atgggcactt	gaatgggtgct	gcttcacaga		120
ggctgcacca	ccagtcctga	ggatctcaga	ccagagctcc	aggaagttct	gctgttggtc		180
tgataccaag	agtaccttca	gattctggaa	aggattttca	cgggggttgc	agtccagaat		240
tctttgtctc	tcaaggctgt	accag					266

<400>	886							
cgcggtgggtt	ccgattgttt	gatagtattt	actggagaga	tcatagaaac	gactgtgaac			60
cgatgtcaca	ccaggaaggt	tgttgagcat	ttcttcaaca	tcttcaattg	tttcctttgt			120
aacctgtagg	tccccgatgt	ttaatttttag	agctccaatt	gctgtttttac	acaggatcac			180
tgccctcatca	ttactttttca	cctttctcacg	agtctttttcc	agaaaagtaa	gagccacatt			240
aggatcagtc	atctgtctaa	ctacatgaag	aatgattttcc	acgagggaca	aagggttcac			300
cctgtgtttca	aattcactga	taaagttttc	ataaagctta	atgagaccat	ctccttgggc			360
aaagcacgga	tctgtcacaa	aatcaagcac	ctgaagtgtc	ag				402

<400>	887						
ccaaagcgag	agcattggca	gtgaattgca	gacactcttc	cttggtcatg	ccttcccggt		60
aggtagcatc	aacatagcca	tagatgtagg	agctcccgga	gcctccaatg	gcaaaggact		120
gccttaccat	cataccccc	ataggcactg	agtacacctg	ccctccttct	tgagggtccc		180
agcctgcat	gatgatccc	gccatcaggt	cttcccggtg	tcggaacac	atctccttaa		240
agaggctggc	tgctgtgtgg	accagtgga	gtcattcag	ttgaatgctg	tggaaaccga		300
qctqqtqggt	qacagcatca	gctactgct	gggtatcagc	ag			342

```
<210> 888
<211> 228
<212> DNA
<213> Homo sapien
```

```

<400> 888
cgcgctggcc aaggctgctg ctgttgctcc tccaaagaag gttggcttca aggccgtgtc   60
cagggaccca cgagcagagg cactgggggg caagggatct ccaagggggc aagggatccc   120
taaagggggg agctcacagg tgaggggggt tagggcccct ctagggagcg cctgaggcca   180
tacattcaag agtgtccctg gtgaggccca ggaagagcc aggactgg                228

```

```

<210> 889
<211> 378
<212> DNA
<213> Homo sapien

```

```

<400> 889
ttggcttttc tccccctctc atcctcctct cccctttcct cactgaaggc tgtgagttgc   60
tttcaatgtg acaacactat gatgtcattt ggaaggattt gccaggacag actgattctg   120
agtccctggg gccgtatgtg tatgcggcag tgttgtcagg cgatcttgtt tgaagctcta   180
tgttgccata attaccatca agtacacact gttggcaaaa ggctaacacc tgactttagg   240
aaatgctgat ttgagaacaa aaggaaaggt cttttttcac tgcttaaagt ggggtcactt   300
tgataccttt gcggtcattg ctgtgtctga tgagtgtaga atctctggat gtgactgtc    360
agtcattgtg ccaccagg                                378

```

```

<210> 890
<211> 215
<212> DNA
<213> Homo sapien

```

```

<400> 890
ccatttttga gtgtgtccat tgggtagcaa tgtggaaacc accagggcct ttgtggagaa   60
aatggagggg gttgagggag tcccaggagg ggcttatttg agggcctttg ccacttgctc   120
ataggcgagc tcgatctcct catcatctgg acaggtggaa gcgaattctt cccgggcgta   180
ggcattgctc aagtaccgat gcactccccg gaagg                                215

```

```

<210> 891
<211> 412
<212> DNA
<213> Homo sapien

```

```

<400> 891
ctggtcaagt tcaacagagc cttggctgac cattctatgg ctcaggcacc tcggctcatt   60
gatggcattg ttcttaccaa atttgatacc attgatgaca aggtgggagc tgctatttct   120
atgacgtaca tcacaagcaa acccatcgtc tttgtgggca ccggccagac ctactgtgac   180
ctacgcagcc tcaatgccaa ggctgtgggt gctgccctca tgaaggctta acgtggctct   240
tgcccaatac caaatcgccg ctttccccac aagcccttct tcctgtatca agaattgtgt   300
ttagagtatg tgagcaacct gtcttcagt tagtacaag gcagagttag ggggcttggt   360
gtccttcca acccactcc ccgttcagca cagccgccat ctgcaaggaa gg              412

```

```

<210> 892
<211> 472
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

```

The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. In the second part, we study the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. In the third part, we study the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$.

```
<220>  
<221> misc_feature  
<222> (1)...(477)  
<223> n = A,T,C or G
```

```
<210> 894
<211> 289
<212> DNA
<213> Homo sapien
```

```
<210> 895
<211> 179
<212> DNA
<213> Homo sapien
```

<400> 895

ctggatgggt	ccanacaaag	tggaatccct	ggaaccttta	actgagcagt	gaaggtcagt	60
gcctcagagc	ctgagagatg	aacaggacca	gagagagagg	tgggcaggca	ggcacaaggt	120
tatgtcttcc	tcagactcgg	aaccctgctc	ttctccacca	tccagacgtt	cagctacag	179

<210> 896

<211> 557

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(557)

<223> n = A,T,C or G

<400> 896						
ccactcactg	ctgggaccca	ggcacctccc	ttctccatcc	tctctggatt	gtcagtaatg	60
tcctggaaca	gaagcctgtg	ggatggcctt	gggcacggag	aagccctggg	gtcagtgtcg	120
tgcacggatg	gcggcagtgt	tgaacccagg	aggctgaacc	cggcccacca	cggaagatga	180
gtgcatggca	accgcctgcc	ttcacgtcgc	tccacttggg	aacccaagg	tctgggctgt	240
tctaggtatt	gcttcacgtg	ccccagcaag	cccttaacaa	gagggcctgg	ttccctgaag	300
aaccaatccc	aggaaggggc	cttgatccct	ccgccttgct	gagagtgaac	cctcgtctct	360
cctcacnctc	catttcattt	ctgggaattg	gggcttagtt	tcgaaccttt	ggcaaggctg	420
ttcttactaa	tgcccaagcc	cctttacccc	tctccctata	ggttacacag	gggagaccag	480
ggcctcggca	gaagactgct	gccacacttc	cgaatcattc	tgcttgccaa	ataggtcatc	540
ttcaccagtt	gactgac					557

<210> 897

<211> 495

<212> DNA

<213> Homo sapien

<400> 897						
ctggaatctc	ctttgcaatc	ccatctgata	agattaaaaa	gttcctcacg	gagtcccatg	60
accgacaggc	caaaggaaga	gccatcacca	agaagaagta	tatttggtatc	cgaatgatgt	120
cactcacgtc	cagcaaagcc	aaagagctga	aggaccggca	ccgggacttc	ccagacgtga	180
tctcaggagc	gtatataatt	gaagtaattc	ctgatacccc	agcagaagct	ggtgggtctca	240
agggaaaacga	cgtcataatc	agcatcaatg	gacagtccgt	ggtctccgcc	aatgatgtca	300
gcgacgtcat	taaaagggaa	agcaccctga	acatgggtgg	ccgcaggggt	aatgaagata	360
tcattgatcac	agtgattccc	gaagaaattg	acccataggc	agaggcatga	gctggacttc	420
atgtttccct	caaagactct	cccgtggatg	acggatgagg	actctgggct	gctggaatag	480
gacactcaag	acttt					495

<210> 898

<211> 406

<212> DNA

<213> Homo sapien

<400> 898						
ccacgactgc	atgcccgcgc	ccgccagggtg	atacctccgc	cggtgaccca	ggggctctgc	60
gacacagggg	gtctgcatgt	ctaagtgcta	gacatgctca	gctttgtgga	tacgcggact	120
ttgttgctgc	ttgcagtaac	cttatgccta	gcaacatgcc	aatctttaca	agaggaaacc	180
gtaagaaagg	gcccagccgg	agatagagga	ccacgtggag	aaaggggtcc	accaggcccc	240
ccaggcagag	atggtgaaga	tggtcccaca	ggccctcctg	gtccacctgg	tctcctggc	300
ccccctggtc	tcggtgggaa	ctttgctgct	cagtatgacg	gaaaaggagt	tggacttggc	360

406

<400> 899						
cctaagagtc	attaaaaaat	tctccctttg	taacctcagt	gctggggact	gaggcgagcc	60
ccctcaggtc	gctggagtg	accagtcctg	gggaagaggt	gcaggagaag	ctgtgttttt	120
tatctccaca	cgcagtatga	agataaaaat	acatagtatt	acctagacat	agacagtatt	180
acctaggtag	atgcactgct	cacctgcacc	cttcccagct	ctcattttttg	ttaggtgatt	240
tgggataggg	atagctgtttt	ggggatggg	gggagtg			277

<400> 900							
ctgttttgaa	atattttactg	ttatttaaaac	ttgcttcaag	ggaaattgtg	aatatatatttc		60
catatacaag	cactagtaac	agtaagtggc	cctgtcatcc	actaaactcag	gcaaagtaaa		120
gaatggcatt	tttgaaggac	attttacctc	cccatatgat	ttgattggct	aggactttct		180
tctgtaaagt	catacctttt	cacatcttaa	gtttttacat	ttgccatttt	ccaaatctca		240
attttgggca	agaacgatat	agtcacaact	atggggctgc	tttcaaaagc	ggggctccat		300
ttctactgtc	agatcaatgt	ggtgctgtaa	ccatcttttt	atccctacct	tcaagaacct		360
ccttatatga	agcctgtctt	tatccatca					389

<400>	901						
ctggagacac	ccacttgggt	ggagaagatt	ttgacaaccg	aatggtcaac	cattttattg		60
ctgagtttaa	gcgcaagcat	aagaaggaca	tcagtgagaa	caagagagct	gtaagacgcc		120
tccgtactgc	ttgtgaacgt	gctaagcgta	ccctctcttc	cagcaccag	gccagtattg		180
agatcgattc	tctctatgaa	ggaatcgact	tctataacctc	cattaccctg	gcccgatttg		240
aagaactgaa	tgctgacctg	ttccgtggca	ccctggaccc	agtagagaaa	gcccttcgag		300
atgccaaact	agacaagtca	cagattcatg	atattgtcct	ggttggtggt	tctactcgta		360
tccccagat	tcagaagctt	ctccaagaact	tcttcaatgg	aaaagaactg	aataagagca		420
tcaaccttga	tgaagctgtt	gcttatgggtg	cag				453

[illegible]

<210> 903
 <211> 228
 <212> DNA
 <213> Homo sapien

<400> 903	
ctggagactc tgggccagga gaagctgaag ctggaggcgg agcttggcaa catgcagggg	60
ctggtggagg acttcaagaa caagtatgag gatgagatca ataagcgtac agagatggag	120
aacgaatttg tcctcatcaa gaaggatgtg gatgaagctt acatgaacaa ggtagagctg	180
gagtctcgcc tggaagggct gaccgacgag atcaacttcc tcaggcag	228

<210> 904
 <211> 388
 <212> DNA
 <213> Homo sapien

<400> 904	
ccaagcgctc agatcggcaa ggggcaccag tcttgatctg cccagtgcac agccccacaa	60
ccaggctcagc gatgaaggta tcttcagtct cccccgaacg atgaggcacc atgacgcccc	120
aaccattggc ctgggccagc ttgcacgcct gaagagactc ggtcacggag ccaatctggt	180
tgactttgag caggaggcag ttgcaggact tctcgttcac ggccttggcg atcctctttg	240
ggttggtcac tgtgagatca tccccacta cctggattcc tgcactggct gtgaacttct	300
gccaaagctcc ccagtcaccc tgggtcaaagg gatcttcgat agacaccact gggtagtcct	360
tgatgaagga cttgtacagg tcagccag	388

<210> 905
 <211> 272
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (272)
 <223> n = A,T,C or G

<400> 905	
ccggagccca cggnggtcat ggctgccaga gcgctctgca tgetggggct ggtcctggcc	60
ttgctgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg	120
ccagccaagg acagggtgga ctgcggctac ccccatgtca cccccaagga gtgcaacaac	180
cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gccctgcag	240
gaagcagaat gcaccttctg aggcacctcc ag	272

<210> 906
 <211> 525
 <212> DNA
 <213> Homo sapien

<400> 906	
ctgtgcaccc gagtgtcctt tccccctaa gctggcacat aggagcaaaa gttcactaac	60
cctgcagtgg aaggcaccaa ttgacaacgg ttcaaaaatc accaactacc ttttagagtg	120
ggatgaggga aaagaaatag tggtttcaga cagtgtcttct tcgggagcca gaagcactgc	180
aagttgacaa agctttgtcc ggcaatgggg tacacattca ggctggccgc tcgaaacgac	240
attggtacca gtggttatag ccaagagggt gtgtgctaca cattaggaaa tatccctcag	300


```
<210> 907
<211> 365
<212> DNA
<213> Homo sapien
```

```
<210> 908
<211> 608
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G
```

```
<210> 909
<211> 513
<212> DNA
<213> Homo sapien
```

<400>						909	
ctggtctcaa	actcctcacc	tcaactgatc	cgccccacctt	ggcctcccaa	agtgtctggga		60
ttataggtgt	gagccaccgt	gcccaaagtt	aagtattttt	gatcaagtg	tttgtctttt		120
gtgcaaggca	tttgtggctc	tgtcatagca	gaggaaaaca	aaacatgcct	atcaaatgaa		180
tcaagtccga	cctcttctca	tattgagcaa	ctagaggtct	aggaacattt	cccctacctg		240
tcattctcat	ctggcatacc	aggtgtacat	actccttctt	attctcctct	gttaccaaga		300
tgttggtccc	attgggtttg	aggtcacgaa	ctccacaaac	tccaaactct	tggacctcag		360

tgctgaaggt	gaggtcatag	cctagtgtgg	agacatcatt	ttccagcaga	taaaccagac	420
cttggttagaa	gtggtaatat	tcactctcca	tatctgtata	tctgactgac	ttgccaaga	480
tgtgtttgta	aaaggatcga	gtaaagtagc	act			513

<210> 910
 <211> 272
 <212> DNA
 <213> Homo sapien

<400> 910						
ccggagccca	cggtggatcat	ggctgccaga	gcgctctgta	tgctggggct	ggtcctggcc	60
ttgctgtcct	ccagctctgc	tgaggagtac	gtgggcctgt	ctgcaaacca	gtgtgccgtg	120
ccagccaagg	acaggggtgga	ctgcggctac	ccccatgtca	cccccaagga	gtgcaacaac	180
cggggctgct	gctttgactc	caggatccct	ggagtgcctt	ggtgtttcaa	gccctgcag	240
gaagcagaat	gcaccttctg	aggcacctcc	ag			272

<210> 911
 <211> 263
 <212> DNA
 <213> Homo sapien

<400> 911						
cctgcaggta	caaattgacc	aggctgttga	cggtgcctc	cacgtcgggtg	gaataattct	60
gacgaatctg	ggagctcatg	gttgggttggc	aagaaggagc	taaccacaaa	aacgggtgctg	120
gcagggtccca	gaagcaggag	atggccgaga	agatgggtccc	ggaggttgca	agcggagagg	180
aaatcggagg	gcggtcggag	gctggaagag	agtccccgga	tctgttccgt	ccaaacactg	240
ttgaagcaag	agacagaccc	gcg				263

<210> 912
 <211> 470
 <212> DNA
 <213> Homo sapien

<400> 912						
ctgtgagcac	cagcccaacc	ctacctcttt	aaaaagaaaa	aacacaagtc	cactctgaag	60
tcagcctctg	taacctcccc	acaagaaaac	cgttttacat	cagtcactaa	ccaaacaacc	120
aacagtgttt	caacacagaa	agtaaagcat	tatccagggc	ttggactgtc	tttcaagaaa	180
gccccaaatc	ccctggcagg	aggaagtcac	agcagtgaag	ccccatccca	ggcccagttg	240
ttcccacgaa	acacaccacg	tgagagacca	gcactgactg	cgactgattc	caagtcccca	300
ggagggcttt	attttttctt	ttcaacatcc	tgttctgcgg	cttccttggc	actttttgcc	360
cgtatgccga	agagccgggc	gttggcacgg	gccatacgga	gactagcgaa	ggctttgaaa	420
ttctttctct	cctcagtgat	gactcgagct	ttctccttct	tatagacgtt		470

<210> 913
 <211> 426
 <212> DNA
 <213> Homo sapien

<400> 913						
cctggacacc	ataaggctgg	tgggctttca	gaattgtgtt	aggggggcag	gagtggcagg	60
ttcctgaatc	tcggtcaata	tagtaaccag	caggacaaga	ggtgcaggag	gagccacat	120
cagaggcttc	tagggcacag	ggacggcagt	aggaggccac	gccattcata	acattgggtga	180
cattgatgga	gtagatcttg	gcaacgtcat	tggtgtactt	cctgcttgcc	tcatgaaaag	240
tggtcctctg	gaaggcccag	gtgaggctcg	tggtagtgtt	ctcctcaatg	atgtaggtat	300

```

aggactgttt gcctttggaa cctttccacg tctccacagg agtgttggtc ctagaattca 360
caccacccat gaagtagagc tcacagttca cagaacagag ggtctcaaag acaaattgtga 420
ttctgg                                     426

```

```

<210> 914
<211> 252
<212> DNA
<213> Homo sapien

```

```

<400> 914
ccaagctggg ggtgcgcaca tgtggaagaa ctggaggccc ggtgtcatga gcagaggctg 60
taccctagat gcccgcacca gtgccagcca acccaagaca ggagaaagag tttggcagtt 120
tcgcctctga ggaatacatg cctggccctc ctgtgaggtg aggcggtagg ggggaaggcg 180
caggctccga agtctgaggg cttgccggag ggggagtttc tgagcctttt gcatgggtgc 240
atgccccctg cc                                     252

```

```

<210> 915
<211> 234
<212> DNA
<213> Homo sapien

```

```

<400> 915
ccactgggac tttggcttcc tgatgccgat tgtggatttc tgctgcaaag acagtgatgt 60
tgagccaggc tgtttcctct ctatccagag gttttgtagt ttttaataaaa ccatcctctg 120
gattaatagt gaaaaatctg tcgaggtcag tgtgacgac gatggaatac cttatcgggc 180
tgttggcagc atcagggtct ttggcatgca ctctcccaac cacggtgcca gcag 234

```

```

<210> 916
<211> 366
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

```

```

<400> 916
ccattcagtc tcanttcaga aaattccaga agaagaaggc tgggtctcag tcctagtggg 60
agaacccct cctagtccac ctgaaaacac caaattcaac catcatctgt caagaaatta 120
aaagaacaac accctagaga gaagtcatcc acacacaatc cacacacgca tagcaaacct 180
ccaatgcatg tacagaaacc tgtgatattt atacccttgt aggaaggat agacaatgga 240
attgtgagta gcttaatctc tatgtttctc tccattttca ttctctctgc aactattttc 300
cttgatgttg taataaaatg aagttacgat gagtgatnaa aaaaaaaaaa aaaaaaaaaa 360
aaaaaa                                     366

```

```

<210> 917
<211> 492
<212> DNA
<213> Homo sapien

```

```

<400> 917
ggcacagcga gggcagcatc tggaggagct ctgcagctc cacacctacc acgacctccc 60
agggctgagc tcaggaaaaa ccagccactg ctttacagga caggggggtg aagctgagcc 120

```

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

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<210> 918
<211> 557
<212> DNA
<213> Homo sapien
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<400>	918						
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ctccgtggat	accgtggcat	ctggcgaaag	gtagcgttca	gggatgggca	agttattggt		180
ggggacccgg	taggggaccc	atttcctctc	ctcagctccc	caagcacacg	agttgagatc		240
cgggaaatct	tcaaagatgt	caaagccctc	ctcagtcac	agtcccagcg	ccagttccc		300
aaactctgag	cccatctgcg	ctgccacctc	gtagccatca	gggttcagtg	agggcaccag		360
gtggatgcgt	gtgtcctgca	ccaggctcgc	cacacgtggg	ttcccatcgc	ggtactctcg		420
gcacaggtat	tgcattgagca	gcagcaacag	ctctcggccc	agcacctcgt	tgccatggat		480
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ctccatggca	tagatct						557

<400>	919						
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tccgggccctc	cctccaagga	gattctgacc	ctgaagcagg	tccaggagtt	cctgaaggat		120
ggagacgatg	tcatcatcat	cggggtcttt	aagggggaga	gtgacctcac	ctaccagcaa		180
taccagggatg	ccgctaacia	cctgagagaa	gattacaaa	ttcaccacac	tttcatcaca		240
gaaatatgcaa	agtctcttaa	agtctcccag	gggcagtggt	ttgtaataca	gcctgagaga		300
ttccagtcta	agtatgagcc	ccggagccac	atgatggacg	tccaggggctc	caccagggac		360
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<220>  
<221> misc_feature  
<222> (1) ... (340)  
<223> n = A,T,C or G
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<400> 920
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tgtcctatcc catatggaga agaaaggggc tctaagttct ggctcttctt tctttggggg      120
tctctgtacc tgaggaaacc aggccctggg tgactttgca gatctgctca ccctcgggtga      180
gcaacagtgt cagccatgca agcaggacag aatgggtgact gggtgccctt ggtgagctgt      240
gtatttccta ggaggtagaa aactgtggga aactgtggct aataaaaact aagtgtgagc      300
gtcnaaaaaa aaaaaaanna aaaanaaaaa aagcttgtac                               340

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<210> 921
<211> 571
<212> DNA
<213> Homo sapien

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<400> 921
ggaaaaataa ttttattcct caaatgatca gcacattcag aagcaggaca gaggagctct      60
gatgacatct ctggggggact caaagcgggc ctcatcttct ggtattttcc caggtgattc      120
tcttccaacc tgtgagtcct gctctctttc ctcccatctg aagtttgaga catcctctgc      180
cacaaggaaa gccaccaata ccagcccaaa gagccaccag agaggaacca aaccacatgc      240
atcaagttat aggaaggatg caagaaggga aattaggaag gaaagggagg agtttagttg      300
gcattctggg gcatgctaac atgagggcga tgggtctctc ccaagtcgct ggacatatcc      360
cttttctttc caggtgctcc aactccaatt gcagtttggg ggaacgtgtg aaacttgttg      420
aagtcctgcy tgtatgtgcc cagcatgcaa gtactcagat taccgcaccg cttagatctg      480
gggctgtcca ggtcggagcc ctctctctct tgcctctgct ccagctcact ggccttcac      540
tgcacatagt cctgcaccag tgcagccagc a                               571

```

```

<210> 922
<211> 262
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

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<400> 922
gcccaanaca tncaggtcac agcagattcg ggcacgtgtg gaagaagggt ggatgatgtc      60
atccacaaac cctcgcaactg ctgcagggaa agggttggca aacttctcga tgtactctgc      120
ctgancagct tccacattct catgcccttt gaagatgatc tccacagcgc cctttgctcc      180
catgactgca atctctgngg tgggccangc atanttggtg tcaccacaaa ngtgcttaga      240
gctcatgaca tcntaggcac ct                               262

```

```

<210> 923
<211> 234
<212> DNA
<213> Homo sapien

```

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<400> 923
ccaactgggac tttggcttcc tgatgccgat tgtggatttc tgctgcaaag acagtgatgt      60
tgagccaggc tgtttcctct ctatccagag gttttgtagt ttttaataaaa ccatcctctg      120
gattaatagt gaaaaatctg tcgaggtcag tgtgacgatc gatggaatac cttatcgggg      180
tgttggcagc atcaggggtct ttggcatgca ctctcccaac cacggtgcca gcag          234

```

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<210> 924

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<211> 152
 <212> DNA
 <213> Homo sapien

<400> 924							
ccaggattga	caggccatcc	attcacagcc	aggagatgct	gggccagttc	ctccaagagg		60
tctccgtcat	ggcagtgatg	aaaacctaac	aggggtggccc	cctgtgccag	ctcaggtgac		120
tggagccccga	gggcctgaca	ggttcccagc	ag				152

<210> 925
 <211> 400
 <212> DNA
 <213> Homo sapien

<400> 925							
caatatcatg	ccaaggaccc	aaacaacctc	ttcatgggtgc	gcttggcaca	gggcctgaca		60
catttaggga	agggcacccct	taccctctgc	ccctaccaca	gcgaccggca	gcttatgagc		120
cagggtggccg	tggtctggact	gctcactgtg	cttgtctctt	tcctggatgt	tcgaaacatt		180
attctaggca	aatcacacta	tgtattgtat	gggctgggtgg	ctgccatgca	gccccgaatg		240
ctgggttacgt	ttgatgagga	gctgcggcca	ttgccagtgt	ctgtccgtgt	gggccaggca		300
gtggatgtgg	tgggccaggc	tggcaagccg	aagactatca	caggggtcca	gacgcataca		360
accccatgtgt	tggttgccca	cggggaacgg	gcagaattgg				400

<210> 926
 <211> 521
 <212> DNA
 <213> Homo sapien

<400> 926							
ccacgtccct	attttagaaa	tgagaggagt	gactgcacac	aggaaaaatg	ccacttttag		60
caattcaaag	tgaaaaaact	tcttttatat	aaaaattatc	ccaactccca	ccccttggct		120
ctcagtgttg	catctcccac	agaggtaaag	ttgtgccatt	ttcccacggc	tttaaacaaa		180
gcaaaacaaa	accaccaatc	ctaataaccc	ccctccctgc	cccgctcca	cgctgtgcgg		240
agagggctct	agccccctag	tcggacttct	ccttctcctt	catgtgcaag	aagacgatgc		300
tgaagatgaa	gagccccagc	atcatggaga	aggcgctggc	gtagtagggg	tagggcaggg		360
ggatgaagcg	ctcatactgc	gtgtgctgga	gtggccgcac	ggatacctga	gtggaagagt		420
acaggtgtgt	gtagcctagc	cggttgtaat	ccacttttaa	ctggaatata	ccatacacgt		480
cgggcaactt	gaactgaaca	ctgtatttgc	cacctttctt	c			521

<210> 927
 <211> 520
 <212> DNA
 <213> Homo sapien

<400> 927							
ccaggctagt	ctcgaaactcc	tgacctcagg	tgatctgcct	gcctcggcct	cccaaagtgc		60
tgggattacc	ggcgtgagcc	accatgcctg	gccttacatt	ttttaaaatg	agggaaacaaa		120
tgaataaatg	accaccatgt	taggggctgg	ctctgaacag	aattgtaaag	tgggccaagc		180
ttgctctcaa	ggtcacctta	agcccacggg	tgctgtgtcc	tgccctctca	gggtcatttc		240
ccagcctcca	ggcacctgtt	cacagaggct	gcatctggcc	tcgcctccac	ccctccatcc		300
taaggtgctc	cgctgactta	gaacaggaca	gtcagggaga	gaatgtgtct	caggaggggtg		360
gagtcagatg	atcacggcct	tcctggcatc	tgaggggata	cagcttcggg	tagcaaagtg		420
tgattttccc	tgagccccag	gaaagcttgg	ccttggtcag	aatacattga	accctgaggg		480
ccagagagtc	cctggggcaa	gctctgagag	ggaggacctc				520

<210> 928
 <211> 492
 <212> DNA
 <213> Homo sapien

<400> 928
 ctgagctttc agcagataaa tcacagcaga aatagaatca ccctaggact ttcaatcaaa 60
 agctggaagt ccaccttaca gaaagacaaa aagaaacccc tttttatatc ttaacaaagc 120
 aatagctctc aagcagcaga gcatctcgag gaagaaagct tgcccggtcg ccatcccatc 180
 atgccagagc gtgcagtgtc cacccttgac tacgctgggg aattgctgat tttttgaaaa 240
 agcttaactt aacaatttct gatgtctatc ttttagagtt ctgtatgttc ccatttttta 300
 ttcttctgaa ttttgaattg caagtagctg taaaatccaa tctctgagtg catgggggtg 360
 ggtgtgaggc ggggctcagc ttcaaccccc tgtcctgtaa agcagtggct ggtttttctt 420
 gagccagcc ctgggagggtc gtggtagggtg tggaggctgc agagctcttc cagatgctgc 480
 cctcgtctgt cc 492

<210> 929
 <211> 209
 <212> DNA
 <213> Homo sapien

<400> 929
 ttttttcacc atctaacaaa ggcactttat tgcattacca ttcacaatta acagtcaaga 60
 acaaataata ataacaaata aaataacttt taagaggaca aggcattaga aataaaaaag 120
 gacactaata acatttgtaa aagcttgtac tggatgtggt tgccccatt tgtgtgtgtg 180
 gttgtgtgtg tgtggttgtg tgttggtgg 209

<210> 930
 <211> 617
 <212> DNA
 <213> Homo sapien

<400> 930
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 caaagtgact ctaagatcca tgttcccaag atctagtacg ggctattcat ggttctgagg 120
 catgtccagc atgcaggcaa acttatctgt tcaaatgtag gtaaaacaga caaaaaacac 180
 ttaatatata cagaagctac ataattaaaa ctaaccttct gctgcttatt taagctaattg 240
 atgtattctt accaaacaga gacctcaag tcaatcattt cttttgattt tagttaccac 300
 ccccaaatta agcctcttct ttcaaagcca ttattagtta aaaaaaagtt ttaaaatgaa 360
 gaaaaatatt ttttccagaa cttgtatttt gtaattagtg tgatgcaatt tctttttatt 420
 tttcaaactt agaaataact catgtatggt actatttggt atttttttca gataccaagg 480
 aataccgaca ggattcataa ataggatttt ctgacactgg caggaaagtc tgctaacggt 540
 tacaaaatac caaagactct tctttcaagc ttcaaagatg gctgagaatt aacagttatg 600
 attagttttt cagtaca 617

<210> 931
 <211> 521
 <212> DNA
 <213> Homo sapien

<400> 931
 ccaacaaaat tgggtgaacac atggaagaac atggcatcaa gtttataaga cagttcgtac 60
 caattaaagt tgaacaaatt gaagcaggga caccaggccg actcagagta gtagctcagt 120

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<210> 932
<211> 197
<212> DNA
<213> Homo sapien
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<210> 933
<211> 610
<212> DNA
<213> Homo sapien
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<210> 934
<211> 384
<212> DNA
<213> Homo sapien
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<210>	935
<211>	125
<212>	DNA

[illegible]

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(192)

<223> n = A,T,C or G

<400> 938

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ctntgcctcc	attcacagga	aaaaggagct	gggagcccca	tcctaagggt	cccagcatca	120
gcccactgga	gggcctggaa	cagtccanca	ctntgtggga	aaggagtggg	gaggggaatg	180
ttttaaaaaa	aa					192

<210> 939

<211> 337

<212> DNA

<213> Homo sapien

<400> 939

ccaaaatatt	ggaacacaca	gaaccaaacc	aggtgtgttc	tacacctgca	tgagtgaagg	60
atttccacgt	agacacctag	gaagagcccg	catgccctag	actcactcca	gaggaaggat	120
tgatttgcaa	ccagaaaggg	agctgaaaac	cacggagctc	catggctctt	cattcaaaag	180
ggaaaataat	gattccacgt	tgcttttttag	agttcaaate	aacatctttc	tgataaaatc	240
tattttttta	caatcttttt	attatttgta	aaagatatata	aaacaactcc	catcagtagc	300
aatacaaggt	tatacatattt	aaccagattt	tctcagg			337

<210> 940

<211> 362

<212> DNA

<213> Homo sapien

<400> 940

cctgtccaaa	cgtgcgcacc	aggaccgagg	ggagctccct	cccaacacct	gctaggaatt	60
gccaaatttt	aaatggatgg	ggttttttat	gggttgaacc	tctgttaata	cttttgtaca	120
ctctcactac	agtttatatt	tttataggct	attttctcaa	gggtgttcta	gattccacat	180
atctatttta	tataacaagt	tattatgtta	tgtgtgtgac	tcccttgtgt	gtatctgtgc	240
cagcctcagc	ctccgagttg	cttttccctc	tggccctgac	tctcactgac	tcaccgatgt	300
ggtgtgcagg	cccacttctt	acccagata	gcctcggggc	ctgcctgtag	tcatgccgac	360
ag						362

<210> 941

<211> 216

<212> DNA

<213> Homo sapien

<400> 941

ctggacatct	ttccagcccg	ggatacctac	catcctatga	gcgagtaccc	cacctaccac	60
acccatgggc	gctatgtgcc	ccctagcagt	accgatcgta	gcccctatga	gaaggtttct	120
gcaggtaatg	gtggcagcag	cctctcttac	acaaacccag	cagtggcagc	cacttctgcc	180
aacttgtagg	ggcatgtcgc	ccgctgagct	gagtgg			216

<210> 942

<211> 324

<212> DNA

<213> Homo sapien

<400> 942

ctgattggct	tcaggccccc	tacctctata	aactctacca	gcattactac	ttcctggaag	60
gtcaaattgc	catectatat	gtctgtggcc	ttgcctctac	agtcctcttt	ggcctagtgg	120
cctcctccct	tgtggattgg	ctgggtcgca	agaattcttg	tgtcctcttc	tcctgactt	180
actcactatg	ctacttaacc	aaactctctc	aagactactt	tgtgctgcta	gtggggcgag	240
cacttggtgg	gctgtccaca	gccctgctct	tctcagcctt	cgaggccagg	gagcctcaaa	300
tcttcagtct	ctcagagacc	acag				324

<210> 943

<211> 597

<212> DNA

<213> Homo sapien

<400> 943

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accaccaagg	tttttatctt	ctaaacagta	taatagagca	catgcctcct	gaatcagttg	120
accaatatag	gaaacaaatc	ttcattctgc	tattccagag	acttcagaat	tcctaaacaa	180
ccaagtttat	caagagtttt	ttagtcttta	ttaatttgta	ttgcataaaa	tatggggcac	240
tagcactaca	agaaatat	gatggtatac	aacaaaaaat	gtttggaatg	gttttggaat	300
aaattattat	tcttgaaatt	cagaagggtat	ctggaaatgt	agagaaaaag	atctgtgcgg	360
ttggcataac	caaattacta	acagaatgtc	ccccaatgat	ggacactgag	tataccaaac	420
tgtggactcc	attattacag	tctttgattg	gtctttttga	gttaccgaa	gatgatacca	480
ttcctgatga	ggaacatttt	attgacatag	aagatacacc	aggatatcag	actgccttct	540
cacagttggc	atttgctggg	aaaaaaagag	catgatcctg	taggtcaaat	ggtgaat	597

<210> 944

<211> 359

<212> DNA

<213> Homo sapien

<400> 944

ctggaagagg	aaaaggagat	actgcagaaa	gaactctctc	aacttcaagc	tgcacaggag	60
aagcagaaaa	caggtactgt	tatggatacc	aaggctgatg	aattaacaac	tgagatcaaa	120
gaactgaaag	aaactcttga	agaaaaaacc	aaggaggcag	atgaatactt	ggataagtac	180
tgttccttgc	ttataagcca	tgaaaagtta	gagaaaagcta	aagagatggt	agagacacaa	240
gtggcccatc	tgtgttcaca	gcaatctaaa	caagattccc	gaggggtctcc	tttgctaggt	300
ccagttgttc	caggaccatc	tccaatccct	tctgttactg	aaaagaggtt	atcatctgg	359

<210> 945

<211> 367

<212> DNA

<213> Homo sapien

<400> 945

caggatctga	agtttggggg	cgagcaggat	gttgatatgg	tgtttgcgtc	attcatccgc	60
aaggcatctg	atgtccatga	agtttaggaag	gtcctggggag	agaagggaaa	gaacatcaag	120
attatcagca	aaatcgggaa	tcatgagggg	gttcggagggt	ttgatgaaat	cctggaggcc	180
agtgatggga	tcatggtggc	tcgtggtgat	ctaggcattg	agattcctgc	agagaagggtc	240
ttccttgctc	agaagatgat	gattggacgg	tgcaaccgag	ctgggaagcc	tgatcatctgt	300
gctactcaga	tgctggagag	catgatcaag	aagccccgcc	ccactcgggc	tgaaggcaggt	360
gatgtgg						367

<210> 946
 <211> 335
 <212> DNA
 <213> Homo sapien

<400> 946
 ccacagaggt ggtattacaa aatatacaaa gtggtttctt tctttacatt tcatagaaga 60
 agcctgcctc atttccaaat gagagcacta gaagcacaaa tcatgcagac catttactat 120
 ataacttatg aaaaatgctg tacagggctg tgactataga tatagagtat ttggctctgt 180
 ttgggaattg atatctacaa gggggagggg caggggagga ctgtccgata tcctgacttg 240
 ctgggatggg ggagaagctg ggatggggga ggccccaatc ttgctgcacg gctacacca 300
 ctctccttt cctagacaag gctggagcgc actgg 335

<210> 947
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 947
 cctcttgagg cacatccttt actgcattgt ggacagcgag tgtaagtcaa gggatgtgct 60
 ccagagttac tttgacctcc tgggggagct gatgaagttc aacgttgatg cattcaagag 120
 attcaataaa tatatcaaca ccgatgcaaa gttccaggta ttctgaagc agatcaacag 180
 ctccctggtg gactccaaca tgctgggtgcg ctgtgtcact ctgtccctgg accgatttga 240
 aaaccaggtg gatatgaaa ttgccgaggt actgtctgaa tgccgcctgc tcgcctacat 300
 atcccaggtg cccacgcaga tgtccttcc tttccgcctc atcaacatca tccacgtgca 360
 gacgtgacc caggagaacg tcag 384

<210> 948
 <211> 173
 <212> DNA
 <213> Homo sapien

<400> 948
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 gattccagta gctgtgggca tacaggatgc tagggcgggc acaaccagg cag 173

<210> 949
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 <212> DNA
 <213> Homo sapien

<220>
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 <222> (1)...(211)
 <223> n = A,T,C or G

<400> 949
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 gctctgtctt caggggacat tttctctgtt tcagaaagaa actgtttcag aactgatcca 180
 tctcaaatc ccagtttgtc ttgattattg g 211

<210> 950

<400> 953
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[illegible]

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gccctgtttt	gctcaagtcc	tgaaatgagt	ggcatgatga	agagctggtg	gagctgaggg	360
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 <212> DNA
 <213> Homo sapien

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cagg						304

<210> 955
 <211> 156
 <212> DNA
 <213> Homo sapien

<400> 955						
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ataaaaagaat	atttcaatgt	gatgttgggc	actcag			156

<210> 956
 <211> 543
 <212> DNA
 <213> Homo sapien

<400> 956						
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<210> 957
 <211> 528
 <212> DNA
 <213> Homo sapien

<400> 957						
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<210> 958

<211> 451

<212> DNA

<213> Homo sapien

<400> 958

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<210> 959

<211> 158

<212> DNA

<213> Homo sapien

<400> 959

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<210> 960

<211> 235

<212> DNA

<213> Homo sapien

<400> 960

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aaggcacttt	tgatatacac	tgtaaaatac	actgtatttt	agaatcggaa	tctattttct	180
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<210> 961

<211> 375

<212> DNA

<213> Homo sapien

<400> 961

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cacaggttgg aagagaatca cctgggaaaa taccagaaaa tgagggccgc tttgagtccc      300
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aaaattattt ttccc                                         375

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<210> 962
<211> 409
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(409)
<223> n = A,T,C or G

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tggaacggca gctaaagaag acgattcgct tgagccgctt gttgtagaag aagtagttga      300
aggaccagag gctaccatcc tccccgaagg gatctgagtc caagtctggg ttatagctgt      360
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<210> 963
<211> 163
<212> DNA
<213> Homo sapien

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<400> 963
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cgaaccaaca tgctgctgga gctcgcaagg tcaactttca ataggatgga ctttgaagac      120
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<210> 964
<211> 344
<212> DNA
<213> Homo sapien

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<400> 964
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gcagggtggg tagaggctgc atggcaggag aggctgaggt tcacccctgg acggtaatag      180
gtgtatgagg gggaaatggt ggggtcgtct gggccataga ggacattcag gatgactggg      240
tcgctgtggt caacacttaa ttcgttctgg attccacact cataggggcc tacatcattc      300
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<210> 965
<211> 461
<212> DNA
<213> Homo sapien

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<400> 965
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<210> 966

<211> 246

<212> DNA

<213> Homo sapien

<400> 966

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tcgcag						246

<210> 967

<211> 244

<212> DNA

<213> Homo sapien

<400> 967

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tcagaaaagg	gtcagcccga	gacaggctga	gccagagttt	ctagaagcag	tttccaattc	180
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<210> 968

<211> 436

<212> DNA

<213> Homo sapien

<400> 968

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<210> 969

<211> 383

<212> DNA

<213> Homo sapien

<400> 969

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<210> 970
 <211> 543
 <212> DNA
 <213> Homo sapien

<400> 970						
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<210> 971
 <211> 416
 <212> DNA
 <213> Homo sapien

<400> 971						
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<210> 972
 <211> 242
 <212> DNA
 <213> Homo sapien

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<210> 973
 <211> 347
 <212> DNA
 <213> Homo sapien

<400> 973
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<210> 974
 <211> 571
 <212> DNA
 <213> Homo sapien

<400> 974
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<210> 975
 <211> 221
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (221)
 <223> n = A,T,C or G

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 <211> 316
 <212> DNA
 <213> Homo sapien

<400> 976
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 gctctcctgt tctgtcctg ggaatgagag caaggctggg taccgtgcac cccgctctta 180
 ccctaagtcc aactcttcca aggagtatgt gtgacctgg atctccttgc cccagcctga 240
 caggctatgg gagtgtctag atgcctgaaa gggcctgggg ctgagctcag cctgtgggca 300
 ggggtgccgga caaagg 316

<210> 977
 <211> 335
 <212> DNA
 <213> Homo sapien

<400> 977
 cctgtttgtc tgtacagcaa tgcagatgcg caggcccatc ctggtggagg acccagatgc 60
 agggagcaaa tattcgggtt gtgttgctaa gagtcgcagg aactactgct agtgatacta 120
 ggcttgctgc aggaggatgt cacgctgaga aaggagatg actaggagca gaaaaagtac 180
 tctcactgtt ccagcttcca gcccatacct agcagaatga atgcatttta aaatcagtcc 240
 acattcacat gtgctgagaa ggttgttagt ggtccctcat ctgggcaaag cagaccaag 300
 atggtgctaa gtgcagagtg cagagcattc ttgtg 335

<210> 978
 <211> 280
 <212> DNA
 <213> Homo sapien

<400> 978
 cctaacacccc aagctcttcc ttgcagaaga gctgagatgc taaggagacc atctggagtg 60
 tcataataag cccttgggat ttgctgagct cccacatggc tttcttcaac cacctggccc 120
 actttcttca accacattcc actttggaat gcgtgtcttt aaggcaccaa gtgatcttaa 180
 gaatgggctc tgtttttgaa ttcagcaatc caagtctcta tctatctcgg tgggacctcc 240
 aaaaaaaaaa aaaaggattg gcttggcttc taatgtaagg 280

<210> 979
 <211> 318
 <212> DNA
 <213> Homo sapien

<400> 979
 ctgtccagat gacagtaaga ttccactgtc tgtaatcctc atggtgccag gtctcctggg 60
 gcatctaggg caatgatgct actgcagttt atgcagttac acagtcaagt ctgtgccaaa 120
 ggaggtccca tccggcggcc aggtttctgt tcagtctggg gagcaatgcc aactggctgc 180
 ccccatagcc tggcatgagc tgatggccca gtgcaatccc aaagcaaaga agggcagaac 240
 tgggccaaga agctgtggta atttgctctc cctgcctccg acagcgtcgt cctctccttt 300
 tgcagcccca cacgcagg 318

<210> 980
 <211> 568
 <212> DNA
 <213> Homo sapien

<400> 980
 ccagcactgg ctcccttgatg gttttcctag gacattagga caagccgaag ccttggacaa 60
 aatctgtgaa gtggatctag tgatcagttt gaattattcca tttgaaacac ttaaagatcg 120
 tctcagccgc cggttgattc accctcctag cggaagggtg tataacctgg acttcaatcc 180
 acctcatgta catggtattg atgacgtcac tgggtgaaccg ttagtccagc aggaggatga 240
 taaacccgaa gcagttgctg ccaggctaag acagtacaaa gacgtggcaa agccagtcac 300
 tgaattatac aagagccgag gagtgtccca ccaattttcc ggaacggaga cgaacaaaat 360
 ctggccctac gtttacacac ttttctcaaa caagatcaca cctattcagt ccaaagaagc 420
 atattgacct tgcccaatgg gagaaccagg aagatgtggt cattcattca atagtgtgtg 480
 tagtattggt gctgtgtcca aattagaagc taactgaggt agcttgcagc atctcttcta 540
 gttgaaatgg tgaactgata ggaaaaca 568

<210> 981
 <211> 550
 <212> DNA
 <213> Homo sapien

<400> 981
 ccatccccct ttagaacgta tcttaatgtg aacataaatt gttcttcatg atgcttaaaa 60
 gcttacatat aattttcatt cttagaaaaa cgccacattt tggatcctgg atttttctga 120
 atatcatgat tgaaaaaac aaaacaaaaa atgaacccaa atcaaagtgt ggtaaactt 180
 atatgagaaa gatttttcaa ccagatggtc attcaaaaaa gttggagctg taagtgccgg 240
 cgactgagga cacaggggta attcctcgct gctggtgga ggctagagaa catcttcaaa 300
 agagggtagc aagacgtgct cctaggggag gctcagtgtg gtctcgtctg cccaagcatt 360
 ttcagtcttg cttgggtcaat gacatcgagt aagtttttgg catccacagc cagggcgtga 420
 gcagcagtca gcatttgctt tttgtactct tgctggaggc tggatcatgac atactgctgg 480
 gccagtttca tcttggtgat gagctcaccg aggtcagagt tcaatagctt ctgtgccatc 540
 tcaatctctc 550

<210> 982
 <211> 524
 <212> DNA
 <213> Homo sapien

<400> 982
 ccaaggtcag aggctgatgc aacaggccct cttctcccca gggccaggct cctgtccagc 60
 ctgggcactg cccagagtga tggcatttgt ccggatgctg ttctgtctct gcttggacac 120
 cttcgcaaag atttctttca ggacagtctc aaaggctagc tcaacattgg tagagtccag 180
 ggctgaggtc tccaggaaga gcagtccatt gtttccagcg aacattcggg cctcctcagt 240
 gggcacttcc cgggcctggc tgagggtcact tttgttacc acgagcatga cgacgatcgt 300
 ggcttcagca tggatcataga gtccttcag ccacatgctcc accacagcat aggtctgggtg 360
 cttggttagg tcaaacacca ggagggcccc cactgcacca cgatagtacc cttgaagaca 420
 aagttataat cttcctcagt tccattcccc atcttggtct cgcattggagg gtgcagggtg 480
 cttcggggac agaggcgaca aatctgtgtg ttggctcaat gccc 524

<210> 983
 <211> 140
 <212> DNA
 <213> Homo sapien

<400> 983
 ccttcgtgcc ctaacagcca gtcccctgtt aaagtggaag agacctgtgg ctgccgctgg 60
 acctgcccct gtgtgtgcac aggcagctcc actcggcaca tegtgcacct tgatgggcag 120
 aatttcaagc tgactggcag 140

<210> 984
 <211> 358
 <212> DNA
 <213> Homo sapien

<400> 984
 tggagcggcc gcccggcagg tccaacgagt cacaacagtg caataggtag aggattaaaa 60
 actgcatcaa acaggtgctg aaaataaata ctacctagga gaaggagggtg agagccctcg 120
 tgtgggggtt gttttcgacc ctttgagtgt gtgtgggggt tgtcttccga gccacgagcc 180
 tggcctgtct cgcgggtgctg ttcactctga cagagtgcgc ctgcagcacg ttgcctccag 240

```

ggcccagcct cccagaagcc tcagagcadc agagcatccg tcccatcgga tggaccagaa 300
acaagaaaaat ggggtgggggt gaatcacagc tatcattcaa aggaaaggaa ttttttttc 358

```

```

<210> 985
<211> 450
<212> DNA
<213> Homo sapien

```

```

<400> 985
ctgaccccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
acaagacaac ctgaagctaa atggatgccc cctgcagagt caacagggtcc agcctcacag 120
tgcacgccct gagctacagc ctctcccaaa aggcattcttc cccacagcct caacgccgag 180
caaggagcat caagggtttg tctcggttgt tttgttcttt ttacaaacta tagatatata 240
cagttgaaaa ctcaggattt ctagccaata accatagtta ccaccacctt acaaataaaa 300
agaaaatgcc agaaacatct ttaaatgcct tgtcacacca acagcaaagt gcacagagtg 360
aggagaacac gagagtgcct tttcatttta aaaatgtttg gaaatatgta caactttgat 420
acagtttcag ggtgctccag acacccatgg 450

```

```

<210> 986
<211> 340
<212> DNA
<213> Homo sapien

```

```

<400> 986
cctcctgccca gcagttcttg aagcttcttt ttcattcctg ctactctacc tgtatttctc 60
agttgcagca ctgagtggtc aaaatacatt tctgggccac ctcagggaac ccatgcatct 120
gcctggcatt taggcagcag agcccctgac cgtccccac agggctctgc ctcacgtcct 180
catctcattt ggctgtgtaa agaaatggga aaagggaaaa ggagagagca attgaggcag 240
ttgaccatat ccagttttat ttatttattt ttaatttggt tttttctcca agtccaccag 300
tctctgaaat tagaacagta ggcggtatga gataatcagg 340

```

```

<210> 987
<211> 227
<212> DNA
<213> Homo sapien

```

```

<400> 987
ccaatgcccg gagcaggccc tctttccatc ccgtgtcgga tgagctggtc aactatgtca 60
acaaacggaa taccacgtgg caggccgggc acaacttcta caacgtggac atgagctact 120
tgaagaggct atgtggtacc ttctgggtg ggcccaagcc accccagaga gttatgttta 180
ccgaggacct gaagctgcct gcaagcttcg atgcacggga acaatgg 227

```

```

<210> 988
<211> 241
<212> DNA
<213> Homo sapien

```

```

<400> 988
cctcttttta ccagctccga ggtgattttc atattgaatt gcaaattcga agaagcagct 60
tcaaacctgc cggggcttct cccgcctttt ttcccgcgcg cgggagaagt agattgaagc 120
cagttgatta ggggtgcttag ctgttaacta agtgtttggt ggtttaagtc ccattgggtct 180
agtaagggct tagcttaatt aaagtggctg atttgcgttc agttgatgca gagtggggtt 240
t 241

```

<210> 989
 <211> 193
 <212> DNA
 <213> Homo sapien

<400> 989							
ccagccgtgt	cccagacttg	tagtttgatc	ttcttcccct	ctatatccac	agtgcggatc		60
ttgaaatcaa	ttccgatggg	ggagatgtaa	gtgttggtga	agttgtcctc	tgcaaagcga		120
atgatcagac	aagtcttgcc	cacccccgag	tccccgatca	gcagcaactt	gaagaggtgg		180
tcgtaggctt	tgg						193

<210> 990
 <211> 499
 <212> DNA
 <213> Homo sapien

<400> 990							
cctcaaccaa	gaggggttgat	ggcctccagt	caagaaactg	tggctcatgc	cagcagagct		60
ctctcctcct	ccagcaggcg	ccatgcaagg	gcaggctaaa	agacctccag	tgcatcaaca		120
tccatctagc	agagagaaaa	ggggcactga	agcagctatg	tctgccaggg	gctaggggct		180
cccttgcaga	cagcaatgct	acaataaagg	acacagaaat	gggggaggtg	ggggagccct		240
atTTTTataa	caaagtcaaa	cagatctgtg	cgttcattcc	cccagacaca	caagtagaaa		300
aaaaccaatg	ctgtgggttc	tgccaagatg	gaatatccct	cctcctagtt	ccacacatgg		360
cgtttgcaat	gctcgacagc	attgcaactg	gctgctgtct	ctgtgttctg	gcaccagtag		420
cttgggcccc	atatacactt	ctcagttccc	aacaagggtg	tatgggccga	ggggcaggct		480
ccaattttca	agcacacga						499

<210> 991
 <211> 262
 <212> DNA
 <213> Homo sapien

<400> 991							
ctgccagcca	ggctgtgggc	agtcctctgg	caggcaatct	tgggcaccga	gagcctctgt		60
ccattagtgt	cagccccgag	ggggccacga	cggaggccgc	ccaatgtcca	ctgtgatatt		120
ggtgaagagt	ggttgccgag	acacctccaa	gacctggtac	cgcactgacc	caatgccgtc		180
ccgcttcatg	gtcagcttcg	tgttttgaat	cttggtaaac	ctctgagggg	taggttcgtt		240
atgcttgctg	cggtcgtgct	tg					262

<210> 992
 <211> 535
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (535)
 <223> n = A,T,C or G

<400> 992							
ctgctgcttg	tgaaattcat	gtgtgggtact	aagtacctta	catgaattat	ttcattttaac		60
cctcccaaca	gtctcctttg	tacgtgctgn	netctctgcc	tggaaacact	gtttcccacc		120
cccaaccccc	aattcttctg	tttatttttc	ttgagacaga	gtctcactgt	gtagcccaga		180
ctggagtgca	gtggcgcgat	ctcggtctac	tccaatctcc	gcctcccggg	tccctgttca		240

agcagttctc	ctgcctcagc	ctcctgagta	gctgggatta	caggcacacg	ccaccatgtc	300
cagctaattt	ctgtatTTTT	agtagagatg	gggtttcacg	atgttggcta	ggatgggtctc	360
gatctctggg	cagagtcttt	tctgtaaata	tccttggtaa	agaagcaatt	ttagactgta	420
gctgttgcaa	atgctttaag	gaagaagcaa	aacaactgtc	agtcttnctg	aatgaagaa	480
actacaccag	ggctgctata	tcagagcaac	cccaaccagc	actncaatca	tgatg	535

<210> 993
 <211> 232
 <212> DNA
 <213> Homo sapien

<400> 993	
ctgctgctct	ccccctccag tctctactca ctgggatgag gttagggtcat gaggacacca 60
aaaacctaata	aataaaca aaagccaaaca agccttagct tttcttaaag gctgaaatgc 120
ctggaagtgt	ccctttatatt ataaaataac ttttgtcata tttcttatac atgtttcttg 180
taagaaattc	agaaactaca gacaaagaga gtggaaatta cccactgtca gg 232

<210> 994
 <211> 203
 <212> DNA
 <213> Homo sapien

<400> 994	
ccagcagatc	atccacgacg accaccctct gtccctggctc cagggcgctct ttctgaatct 60
ccagctcagc	cttcccgtac tccaggggaat aggaggccca cagagtgggg cctggcagct 120
tcccccgctt	tccgatgagc acgcagccca gtccaagctc ctggggccagg gaggggccaa 180
agaggaagcc	tcggggagtct agg 203

<210> 995
 <211> 238
 <212> DNA
 <213> Homo sapien

<400> 995	
ccatgcctgc	cccgcacct ctgtatatat gtaagttaaa cccgggcagg ggctgtggcc 60
gtctttgtac	tctgggtgatt tttaaaaatt gaatctttgt acttgcattg attgtataat 120
aattttgaga	ccaggtctcg ctgtgttgct caggctgggtc ccaaactcct gagatcaagc 180
aatccgcccc	cctcagcctc ccaaagtgtc gagatcacag gcgtgagcca ccaccagg 238

<210> 996
 <211> 379
 <212> DNA
 <213> Homo sapien

<400> 996	
ctgcagcctg	ggactgaccg ggaggctctg accatttacc caccacaggt aggttgtgtt 60
ctgaacctca	ggttcacagg tgaaggccac agcatccttg tcctccacgg ggttgaggtt 120
gttgctggag	atggagggct tgggcagctc cgggtatata tggaaactgtc cggttgcttc 180
ttcattcaca	agatctgact ttatgacttg tagggatatag aatcctgtgt cattctgggt 240
gacgttctgg	atcagcaggg atgcattggg gtatattgtc tctcgaccac tgtatgcggg 300
ccctggggta	gcttgttgag ttccctattac atatcctaca attagactgt tgccatccac 360
tctttcgctt	ttgtaccag 379

<210> 997


```
<210> 1001
<211> 173
<212> DNA
<213> Homo sapien
```

```
<210> 1002
<211> 302
<212> DNA
<213> Homo sapien
```

```
<210> 1003
<211> 368
<212> DNA
<213> Homo sapien
```

```
<210> 1004
<211> 294
<212> DNA
<213> Homo sapien
```

```
<210> 1005
<211> 414
<212> DNA
<213> Homo sapien
```

<400> 1005						
ctgaagcact	cttcagagac	tacgtccaca	gacactgatg	ctgaggcctt	tcttgtaagt	60
gaagaaaaag	gaatgcagca	aagaagagtt	cgacattgga	gtccttagtt	ccatcaggat	120
cccattcgca	gccttttagca	tcatgtagaa	gcaaactgca	cctatggctg	agataggtgc	180

aatgacctac	aagatTTTTgt	gttttctagc	tgtccaggaa	aagccatctt	cagtcttgct	240
gacagtcaaa	gagcaagtga	aaccatttcc	agcctaaact	acataaaagc	agccgaacca	300
atgattaaag	acctctaagg	ctccataatc	atcattaaat	atgcccaaac	tcattgtgac	360
tttttatttt	atatacagga	ttaaaatcaa	cattaaatca	tcttattttac	atgg	414

<210> 1006

<211> 272

<212> DNA

<213> Homo sapien

<400> 1006

ccggagccca	cggtgggcat	ggctgccaga	gcgctctgca	tgctggggct	ggctcctggcc	60
ttgctgtcct	ccagctctgc	tgaggagtag	gtgggcctgt	ctgcaaacca	gtgtgccgtg	120
ccagccaagg	acaggggtgga	ctgcgggtac	ccccatgtca	cccccaagga	gtgcaacaac	180
cggggctgct	gctttgactc	caggatccct	ggagtgcctt	gggtgtttcaa	gccctgcag	240
gaagcagaat	gcaccttctg	aggcacctcc	ag			272

<210> 1007

<211> 313

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(313)

<223> n = A,T,C or G

<400> 1007

cctgccttac	tctnttccct	ttccccaggg	actcttggtt	ttcagaagcc	cctctggaat	60
gtcctacctg	gcctaaccct	ataccagcag	tgcagacaag	gaggcaactc	tactatagtg	120
ggtccagccc	atggagagac	tcacttccct	ccccaacacc	tcttccccta	gacctgagg	180
gccaggacaa	tgtcttagtg	ccttccaact	tggcagagtg	aggccccatg	agacagagag	240
aaagggggaa	gagggaaata	cctttatcca	aataaatacc	catccaaaat	tatttgtgat	300
aggtgaaaaa	tgg					313

<210> 1008

<211> 317

<212> DNA

<213> Homo sapien

<400> 1008

cctcaatgtc	gtgctagagg	ggccgaagaa	ggccgtgaac	gacgtgaatg	gcctgaagca	60
atgtttggca	gaattcaagc	gggatctgga	atgggttgaa	aggctcgatg	tgacactggg	120
tccggtaccg	gagatcgggtg	gatctgaggc	gccagcacct	cagaacaagg	accagaaagc	180
tgttgatcca	gaagacgact	tccagcgaga	gatgagtttc	tatcgccaag	cccaggccgc	240
agtgcttgca	gtcttaccct	gcctccatca	gctcaaagtc	cctaccaagc	gacccactga	300
ttattttgcg	gaaatgg					317

<210> 1009

<211> 456

<212> DNA

<213> Homo sapien

<400> 1009

tttttttgta	gggtatagaa	aatacatttt	taattttgat	agagttcaca	aatgacagca	60
ttgacatttc	tttaaacaaa	tactttctgtc	aaggcacagc	attaccatgt	gtccccagat	120
gccccagagg	cagtgatttc	atgtccccct	gaggtttagc	agagccacca	atgtcaatag	180
ggtggctgac	ggggcctaga	tttgctacca	gataagccaa	tgagacatgc	tgtcagattt	240
atggttacat	aatcaagtat	ttaaaaagat	gcacaatagg	taactgcaat	gagcttggtc	300
tgcatttagc	gatagttcct	ttcaaacaaa	gaagatagtt	ttcagtatca	agaaggatgc	360
ctatatgtat	gtcttccatg	gagcctttcc	tacaaattgc	tttcattaca	cattaaaagg	420
agttcagctt	tattgtgacc	ttcttgagtc	attcag			456

<210> 1010

<211> 196

<212> DNA

<213> Homo sapien

<400> 1010

ctgggcatgg	gctgaggaga	ggtcttgctt	gcccccttca	actttccatc	tcagaactat	60
aaactgctag	gctgcaagga	gagaagggct	aagtgggggt	cagacaggag	agaagggcag	120
gaggcagtga	gccccgatga	cccaccaact	ccaccaggcc	ctgacaggga	agcccccttg	180
gtagtatca	ttttgg					196

<210> 1011

<211> 449

<212> DNA

<213> Homo sapien

<400> 1011

ccttgcggt	gctgcgaaag	gccacggcgc	tgccctgccg	ccggggccgag	tactttgatg	60
gttcagagcc	cgtgcagAAC	cgcgtgtaca	agtcactgaa	ggtctgggtcc	atgctcgccg	120
acctgaagga	gagcctcggc	accttccagt	ccaccaaggc	cgtgtacgac	cgcctcctgg	180
acctgcgtat	cgcaacaccc	cagatcgtca	tcaactatgc	catgttcctg	gaggagcaca	240
agtacttcga	ggagagcttc	aaggcgtacg	agcgcggcat	ctcgtctgtc	aagtggccca	300
acgtgtccga	catctggagc	acctacctga	ccaaattcat	tgcccgctat	ggggggccgca	360
agctggagcg	ggcacggggac	ctgtttgaac	aggctctgga	cggctgcccc	ccaaaatatg	420
ccaagacctt	gtacctgctg	tatgcacag				449

<210> 1012

<211> 289

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(289)

<223> n = A,T,C or G

<400> 1012

ccaggaccac	aacccccagc	tgtagctggt	agcgcagggc	aatcagggct	ggggttcgct	60
tgtgcttttt	tgccaaggca	caaaggactg	ggtcctccaa	gagcaccggg	gagttcgggt	120
ccacccatgg	ttctttctcg	tgggatccca	gagcactata	ggcaaccaga	acaatgtctt	180
ttgacttgca	gaaatccagc	agttttctct	ggttgaagta	aggatgacat	tccacctggt	240
tgcagacagg	cttgctactg	agccctggct	tgtnnaggat	catctccag		289

<210> 1013

<211> 221

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(221)
<223> n = A,T,C or G

```
<400> 1013
tctgtaaatg ctgcgttctt aatttagtaa aataaaagaa tagacactaa aatcatgttg      60
atctataatt acacctatgg gatcaataag catgtcanna ctgattaatg tctactgtaa      120
aaatttggtg gnnaaatttt catttgatat tagatataaa tatctgaata taaataattn      180
taatatacta gtcatgatgt gtgttgattt ttaaaaatta t                        221
```

<210> 1014
<211> 512
<212> DNA
<213> Homo sapien

```
<400> 1014
gggccccga agcctctaca atgggctggt tgccggcctg cagcgccaaa tgagctttgc      60
ctctgtccgc atcggcctgt atgattctgt caaacagttc tacaccaagg gctctgagca      120
tgccagcatt gggagccgcc tcctagcagg cagcaccaca ggtgcccctg ctgtggctgt      180
ggcccagccc acggatgtgg taaagggtccg attccaagct caggcccggg ctggagggtg      240
tcggagatac caaagcaccg tcaatgccta caagaccatt gcccgagagg aagggttccg      300
gggcctctgg aaagggacct ctcccaatgt tgctcgtaat gccattgtca actgtgctga      360
gccggcgacc tatgacctca tcaaggatgc ctcctgaaa gccaacctca tgacagatga      420
cctcccttgc cacttcaatt ctgcctttgg ggcaggcttc tgcaccactg tcatcgctc      480
ccctgtagac gtggtcaaga cgagatacat ga                        512
```

<210> 1015
<211> 553
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(553)
<223> n = A,T,C or G

```
<400> 1015
ctgggcagga agattatgat cgcccagagg cctctccta cccagatacc gatgttatac      60
tgatgtgttt ttccatcgac agccctgata gttcagaaaa catcccagaa aagtggaccc      120
cagaagtcaa gcattttctgt cccgacgtgc ccatcatcct ggttgggaat aagaaggatc      180
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caaagaccag agatggagtg agagaggttt ttgaaatggc tacgagagct gctctgcaag      360
ctagacgtgg gaagaaaaaa tctgggtgcc ttgtcttggt aaaccttgct gcaagcacag      420
cccttatgcg gttaattttg aagtgtgtgt tattaatctt agtgtatgat tactggcctt      480
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<210> 1016
<211> 431

<212> DNA
<213> Homo sapien

<400> 1016
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catggcctta ttttatataa gcattacctt cccaggaatc tttgttgatg attaatTTTT 240
gataaccatt tgattaactt taaaattaag tatatgtgtg tatatatata tatgtatggt 300
tatatacaca catgtatctg tatagtttta tatatacata tatacacata gacatacaga 360
gaaccactac tttgtaatag tgtacagttt gttttatata tctttacttt tttgtgtact 420
attttatctg t 431

<210> 1017
<211> 490
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (490)
<223> n = A,T,C or G

<400> 1017
ctggaagaac aaggcgaagt tctggtggct gtctgcgatg aatgtgcctt tggctttggc 60
tggttatgtc acccgggtag ttttgggtgc aatgctctga tccttatcca cggtggaag 120
atcaacattt gtgatgccaa cttcagtggg gatcttgact ctgagctcta cggtatattgc 180
aatataccgg ttgtcacctt caacttcgac aaggaagtca taataaccac tggaaaattt 240
gacgttcatg aaatttagtt caaaaacatc ccctacaggg gtgaaggatg tcttctggag 300
gacagtggct ctggaagcaa cagatttagc atgttctagt ttaacagtgg cctgagtcag 360
aggctgagac agaacattgg tgacttgcaa ccgcaagata gcctgttcat gagtgtcgga 420
agcaganccc tcangcacia ccacaactgg cacgtggtag cgattatgcg agagcacagg 480
cagacctcgg 490

<210> 1018
<211> 503
<212> DNA
<213> Homo sapien

<400> 1018
ggagtaagct gagtacaagt accatagcag cagagctgca aaaggtcttg ggacctatag 60
tcctaatagca agataaggct atggggccta aggccatggg gcctgaggca cccctagacc 120
ctgagccttc agcattttaag ggagggtgtc ccccatctct cgataggcca tggtagacag 180
atgggtctag ccgaggtgct ataactgctt ggaccactgt tgcagtccaa cctagtactg 240
acactatatg gtttgaaacc cgggtgtggac aaagtagcca atgggctgaa cctagagcag 300
tgtggatggt gatcaccaag gaggtgacac tgatggtaat ctgtatcaat agctgggtgg 360
tctaccaagg ctttaacttg tggttaacta cctggaaaat acagaagttg ctagtcggcc 420
accaaccat ttgggtgcaa gccacgtggc aagacctctg ggaaatgggt catcagaaac 480
aggtaaccgt ttatcatgtg tca 503

<210> 1019
<211> 348
<212> DNA
<213> Homo sapien

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 ctcttgataa tcatagtagt ctgggttgtc gatctggtcg ctatagtggg tgtactggac 240
 gtggtcaggg aacggcggca gcggttccag gtcatactgg ccctgagcca gcaagcctgc 300
 aggcaggaat agcaggaaga ggtaggcagc tctcatggca acaaagag 348

<210> 1020
 <211> 260
 <212> DNA
 <213> Homo sapien

<400> 1020
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 agggcggcct gcggcatagt ggggtggctg tgggtccca gcctggcccc tgggaaccgt 120
 gggagcacag ggacaagcac atggctatgg aatgcagggg gacccaagga caagcgagtt 180
 gcggggatct ctactgtgac catgcagaat tgatcgcagt ctgctgcgcc accaccacct 240
 catgttcccc aggggaacag 260

<210> 1021
 <211> 407
 <212> DNA
 <213> Homo sapien

<400> 1021
 ccttatgact ataacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
 tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
 ggagacgatg tcatcatcat cgggtctttt aagggggaga gtgaccagc ctaccagcaa 180
 taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac ttccagcaca 240
 gaaatagcaa agttcttgaa agtctcccag gggcagttgg ttgtaatgca gcctgagaaa 300
 ttccagtcca agtatgagcc ccggagccac atgatggacg tccaggggctc caccaggac 360
 tcggccatca aggacttcgt gctgaagtac gccctgcccc tgggttgg 407

<210> 1022
 <211> 140
 <212> DNA
 <213> Homo sapien

<400> 1022
 ccaccccaga gtgggagagg ctgggaggtt gggaggctgt ggagagaagt gagcaagggtg 60
 ctcttgaacc tgtgctcatt ttgcaatttt atcagtaatt tgacttagag tttttacgaa 120
 acctcttttg ttgtccttgc 140

<210> 1023
 <211> 280
 <212> DNA
 <213> Homo sapien

<400> 1023
 ctggaggtgc ctcagaaggc gcattctgct tcctgcaggg gcttgaaaca ccaaggcact 60
 ccagggatcc tggagtcaaa gcagcagccc cggttgttgc actccttggg ggtgacatgg 120
 gggtagccgc agtccaccct gtccttggct ggcacggcac actggtttgc agacaggccc 180

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gcgtactcct cagcagagct ggaggacagc aaggccagga ccagccccag catgcagagc 240
gctctggcag ccatgaccac cgtgggctcc gggacgcagc 280
```

```
<210> 1024
<211> 274
<212> DNA
<213> Homo sapien
```

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<220>
<221> misc_feature
<222> (1)...(274)
<223> n = A,T,C or G
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<400> 1024
cctggctgag caggcagagc accctgggac cccagggcag aaggaccct gccctccagt 60
ccccaagacc caggcccgtc tccactcata cagccacct acatgtgacg tcagccctga 120
aaaggttaaca ggaaagtcca gaacaaaaac aaaaccccaa aagtaaaaag gctacgtgta 180
gcagagtaat accggaaacg ttatatacac aggcgggtgat ggccccctcg gaagtgtccg 240
ggtcacttag ggggcactgc anaggtcctt gtgg 274
```

```
<210> 1025
<211> 446
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G
```

```
<400> 1025
gcaaagagtg tactgtgctt gaggcagagc actcacacat aaatggctgt gtgtggaatt 60
gcttgccaaa gaagtttcta gcctttccct tccccctaac tgcatacagg aagaattctt 120
atctctagct tggtttccac atgaggtttt tctgagaagg gcttgggaca agaagtctgt 180
catgttagtt aagcaggcaa gaaatcctac taatccagtt ttgtttgaaa gttgtttgtc 240
cgtatgattt tttaaaagtc aagttaatt tcaaaaaacc ttttttttct gagattactt 300
ttggggtaat atttaaaatg agagacattt tgtaaccctg taaaatacat aggggaatata 360
acattccagt gtatacaaag aaggcaaatt ctttaatcaa ataaagcgca ttataaaatc 420
aaaaaanaaa naaaaaaaan aaaaaa 446
```

```
<210> 1026
<211> 189
<212> DNA
<213> Homo sapien
```

```
<400> 1026
ctgtgagaga gatgctcaat atgccccagg ctatgacaaa gtcaaggaca tctcagaggt 60
ggtcacccct cggttccttt gtactggagg agtgagtccc tatgctgacc ccaatacttg 120
cagaggtgat tctggcggcc ccttgatagt tcacaagaga agtcgtttca ttcaagttgg 180
tgtaatcag 189
```

```
<210> 1027
<211> 92
<212> DNA
```



```
<400> 1027
ccagaccctc cttagtacag gatctcggac cacaaaccaa ggagtctcgt ggccttggat   60
tcccagaccc taggatggta tccctctgac ag                                     92
```

<400> 1028							
ctgaaaagcc	atctttgcat	tgttcctcat	ccgcctcctt	gctcgccgca	gccgcctccg		60
ccgcgcgcct	cctccgccgc	cgcggactcc	ggcagcttta	tcgccagagt	ccctgaactc		120
tcgctttctt	tttaatcccc	tgcatcggat	caccggcgtg	ccccaccatg	tcagacgcag		180
ccgtagacac	cagctccgaa	atcaccacca	aggacttaaa	ggagaagaag	gaagttgtgg		240
aagaggcaga	aaatggaaga	gacgcccctg	ctaacgggaa	tgctaattgag	gaaaatgggg		300
agcaggaggc	tgacaatgag	gtagacgaag	aagaggaaga	aggtggggag	gaagaggagg		360
aggaagaaga	aggtgatggt	gaggaagagg	atggagatga	agatgaggaa	gctgagtcag		420
ctacggggcaa	gcggggcag						438

<400> 1029						
ccagccgcat	gggagtgagg	gcagtcacgc	ccttgctaga	ggccaccccg	gacaccccag	60
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agatgactca	ggatgtgacg	aaggcgatgg	acgagaggag	atttcaagat	gcggttcgac	180
tccgagggag	gagcttttgc	ggcaacctga	acacctacaa	gcgacttgcc	atcaagctgc	240
cggatgatca	gatcccaag	accaatcgca	acgtagctgt	catcaacgtg	ggggcaccgc	300
cqqctgggat	gaacgcggcc	gtacgctcag				330

<400>	1030						
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ctggtggagg	acttcaagaa	caagtatgag	gatgagatca	ataagcgtac	agagatggag		120
aacgaatttg	tctcatcaa	gaaggatgtg	gatgaagctt	acatgaacaa	ggtagagctg		180
gagtcctgcg	tgggaagggct	gaccgacgag	atcaacttcc	taggcgag			228

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<400> 1031
ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca      60
ctaaccagta tatgcagaga atggcaagtg tacgagctgt gcccaaccct gtaatcaacc      120
cctaccagcc agcacctcct tcaggttact tcatggcagc tatccacag actcagaacc      180

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240
294

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<210> 1032
<211> 278
<212> DNA
<213> Homo sapien
```

60
120
180
240
278

```
<210> 1033
<211> 155
<212> DNA
<213> Homo sapien
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```
<220>
<221> misc_feature
<222> (1)...(155)
<223> n = A,T,C or G
```

60
120
155

```
<210> 1034
<211> 401
<212> DNA
<213> Homo sapien
```

60
120
180
240
300
360
401

```
<210> 1035
<211> 333
<212> DNA
<213> Homo sapien
```

60
120
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240

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tcctagaagc agccggcaca ggaggaagg tgg 333

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<211> 198
<212> DNA
<213> Homo sapien

<400> 1036
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tagacctcag tactgaatca ggacctcact cagaaagact aaaggaaatg taattttatgt 120
acaaaatgta tattcggata tgtatcgatg ccttttagtt tttccaatga tttttacact 180
atattcctgc caccaagg 198

<210> 1037
<211> 289
<212> DNA
<213> Homo sapien

<400> 1037
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ctggttgccct atagtgtctt gggatccac cgagaagaac catgggtgga cccgaactcc 180
ccggtgctct tggaggaccc agtcctttgt gccttggcaa aaaagcacia gcgaacccca 240
gccctgattg ccctgcgcta ccagctacag cgtgggggtg tggctcctgg 289

<210> 1038
<211> 368
<212> DNA
<213> Homo sapien

<400> 1038
ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60
cttgagggtca ggagttcgag accagcctcg ccaacatggt gaaaccccat ttctactaaa 120
aatacaaaaa attagccaag tgtggtggca tatgcctgta atoccaaacta ctcagaaggc 180
cgaggcagga gaattacttg aacgcaggag aatcactgca gcccaggagg cagagggttc 240
agtgagccga gattgcacca ctgcaactcca gcctgggtga cagagcaaga ctccatctca 300
gtaaataaat aaataaataa aaagcgctgc agtagctgtg gcctcacct gaagtcagcg 360
ggccccagg 368

<210> 1039
<211> 417
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(417)
<223> n = A,T,C or G

<400> 1039
ctgggcctat gctgggtcatg aacggtcctg gaaaatgact cccttccttc agtatctgca 60
tctcatgaa gtcattcatt ttggagatcg tgtcttcact tttcttggtg aagaaactgc 120
tggatggagt tggttggtggc atctgaggag tccgaagatg gctctcaggg aaggttggtg 180

<400> 1043
ccagcctgga gataaggggtg aaggtgggtgc ccccggaactt ccaggtatag ctggacctcg 60
tggtagccct ggtgagagag gtgaaactgg ccctccagga cctgctgggtt tccctgggtgc 120
tcctggacag aatgggtgaac ctggtggtaa gggagaaaga ggggctccgg gtgagaaagg 180
tgaaggaggc cctcctggag ttgcaggacc ccctggagggt tctggacctg ctggtcctcc 240
tggtcccca ggtgtcaaag gtgaacgtgg cagtcctgggt ggacctgggtg ctgctggctt 300
ccctgggtgct cgtgggtcttc ctggtcctcc tggtagtaat ggtaaccag gacccccagg 360
tcccagcgggt tctccaggca aggatgggcc cccaggctcct gcgggtaaca ctggtgctcc 420
tggcagccct ggagtgtctg gaccaaagg tgatgctgg 459

<210> 1044
<211> 368
<212> DNA
<213> Homo sapien

<400> 1044
cctgggcccg ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
ttatttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120
ggctcactgc aacctctgcc tcctgggctg cagtgtattct cctgcgttca agtaattctc 180
ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240
tttgtatttt tagtagaaat ggggtttcac catgttggcg aggctgggtct cgaactcctg 300
acctcaagga tcctcctgcc tcggcctcct aaggtgctgg gattgcagggt gtgagccacc 360
acgtctgg 368

<210> 1045
<211> 315
<212> DNA
<213> Homo sapien

<400> 1045
ccaatgggct ttgctgtagc ttgctgaaat caccaagcag gagagattta accagaggcg 60
atgtgtccag tcaccagcat agagccatcc tctgtgtcac catccacacg cagggcctcc 120
tggcagacct catgcaatgc cctccatgtt aatattcatc agaaaatgga taattagggg 180
ggccagcaaa aatatcaagg gtcaaatac gcacatttct gtttaggcca tctatggctt 240
tcattctctc tgaagtcaac tggaattcaa acacctgcac gttctgtctg atgcgctgct 300
cattgtagct cttgg 315

<210> 1046
<211> 317
<212> DNA
<213> Homo sapien

<400> 1046
cctgcctgag agggcccccg gcagcacagg gaggacgagc ttgtccagca gagggctctgg 60
cagaggggtcc cgcagagggtt tgggcagggg gtctgacatc cctggctcct gctctggctc 120
tggctgcccg gatttgcaca ggcccagggt catcacagat ccgtttgagt caatctgggt 180
ctggaagtag tcgatgacca gggggaagta gtcgtcaagc acttggttgc actggggcat 240
gagcagcttc aaggggagga cgttgcactc ctgctccagg aacttcctca ccgtgtcctg 300
gaaaatggcc tccttgg 317

<210> 1047
<211> 412
<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(412)

<223> n = A,T,C or G

<400> 1047

gtacaagctt	tttttttttt	tttttttttt	tttgtttaat	gcttgaactt	tattttggag	60
agagaaat	agaaagacac	aaggtacaca	gagtaaaatg	tttttctttt	ttcaggacct	120
tgaactgaat	cttgactgc	tttggtttct	atctaggaag	ctcagcgaca	gcagagtctg	180
tanaggcggc	cactgatttc	acacaccccg	gagagggact	cacgggtagc	acaacggccg	240
gttcggcaat	agcaggtggc	tcttgectga	naacctgagg	ttctaanaagc	ananagtcca	300
tttcctgcaa	aggagatagc	aaggtcctgg	ttgtcttccc	canactgctt	ctgggttgta	360
gcctcatcag	ctctttcctg	gagtgactca	gcctgggcct	gcagggccac	ca	412

<210> 1048

<211> 476

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(476)

<223> n = A,T,C or G

<400> 1048

taaaaaaagg	aaaaagtttt	attacgaaac	tagtttgtat	aaaacagggt	tatacatatt	60
tttgtaagtt	tgtaataaaa	cagtaagaaa	aaaaggcagt	aatagaaatc	tccaaaaggc	120
aacctatcaa	aaccaactgg	ctgccacttt	gagtttggac	agtagctgca	taaactttgt	180
tcttcttgaa	cagtatttaa	taacatcatt	aatacattaa	caacatttct	ataaagtaag	240
acacattggg	gctgaagtac	aactggnggc	ctcttgatct	cacctatgag	gagagttcct	300
tacaaaacca	catagggaaa	attgcagttg	taaggngaac	tacncatcta	aaatatgcan	360
aggtaatagc	attacatggt	aaaggatatca	agggnatata	cacattttta	accatttggn	420
acaaaacttn	tataaaat	ntttctctct	ctttctctct	tatgcacaaa	aaatat	476

<210> 1049

<211> 274

<212> DNA

<213> Homo sapien

<400> 1049

cctggctgag	caggcagagc	accctgggac	cccagggcag	aaggaccct	gccctccagt	60
ccccaaagacc	caggcccgtc	tccactcata	cacgccacct	acatgtgacg	tcagccctga	120
aaaggtaaca	ggaaagttca	gaacaaaaac	aaaaccccaa	aagtaaaaag	gctacgtgta	180
gcagagtaat	accggaaacg	ttatatacac	aggcgggtgat	ggccccctcg	gaagtgtccg	240
ggtcacttag	ggggcactgc	agaggtccct	gtgg			274

<210> 1050

<211> 472

<212> DNA

<213> Homo sapien

<400> 1050

ctgcagcctg	ggactgaccg	ggaggctctg	attatattacc	caccacaggt	aggttgtgtt	60
ctgaatctca	ggttcacagg	ttaaggctac	agcatcctca	tcctccacgg	ggttggagtt	120
gttgctggtg	atgaagggtt	tgggtggctc	tgcatagact	gtgatcgtcg	tgactgtggt	180
cctattgagg	ccagtgtctg	agttatgggc	ttggcacgta	taggatccac	tattattcac	240
agtgatgttg	gggataaaga	gctcttgggt	ggattgctgg	aaagtcccat	tgacaaacca	300
agagtactgt	gcagggtgggt	tagaggctgc	gtggcaggag	aggttcagat	tttcccctga	360
tctgtaagat	gtgttttagag	gggaaatggt	gggggcatcc	gggccataga	ggacattcag	420
gatgactgaa	tcactgcgcc	tggcactcac	tgggttctg	gtttcacatt	tg	472

<210> 1051

<211> 249

<212> DNA

<213> Homo sapien

<400> 1051

ccaccaaccg	tggcatcacg	cgaatccggg	gcaccagcta	ccagagccct	cacggcatcc	60
ccatagacct	gctggaccgg	ctgcttatcg	tctccaccac	cccctacagc	gagaaagaca	120
cgaagcagat	cctccgcata	cgggtgcgag	aagaagatgt	ggagatgagt	gaggacgcct	180
acacggtgct	gacccgcata	gggctggaga	cgctactgcg	ctacgccatc	cagctcatca	240
cagacctgc						249

<210> 1052

<211> 289

<212> DNA

<213> Homo sapien

<400> 1052

ccaggaccac	aacccccacg	tgtagctggt	agcgcagggc	aatcagggct	ggggttcgct	60
tgtgcttttt	tgccaaggca	caaaggactg	ggctctccaa	gagcaccggg	gagttcgggt	120
ccacccatcg	tttgtctcgt	tgagatccca	gagcactata	ggcaaccaga	acaatatctt	180
tgcacttgca	gaaatctagc	aatttactcc	ggttgaaata	cggatgacat	tctacctggt	240
tgcagacagg	cttgtacttg	agtcctggct	tgttgaggat	catctccag		289

<210> 1053

<211> 199

<212> DNA

<213> Homo sapien

<400> 1053

ccacgactgc	atgcccgccg	ccgccagggtg	atacctccgc	cgggtgacca	ggggctctgc	60
gacacaagga	gtctgcatgt	ctaagtgcata	gacatgctca	gctttgtgga	tacgcggact	120
ttgttgctgc	ttgcagtaac	cttatgccta	gcaacatgcc	aatctttaca	agaggaaacc	180
gtaagaaagg	gcccagccg					199

<210> 1054

<211> 224

<212> DNA

<213> Homo sapien

<400> 1054

tcgacctgtg	gaagcaggag	acagatgctg	cattttcact	gttgtttgtc	ctctgttttt	60
gtagcatccc	cgggaacttc	cccacagcc	aggggcttgt	ccccaccacc	cttcacctgg	120
ctttccagtt	ggctgagacg	ctgcttcata	ttcatctggg	tggcgttgta	ctcagccagg	180
aggcgtgcaa	acctggtctg	cagggcgctc	agggaggacc	ccag		224

<210> 1055
 <211> 390
 <212> DNA
 <213> Homo sapien

<400> 1055									
cctcttatta	gggctctggt	agcggcggcg	gcggaacctt	ggggtctgga	cgcaacggcg				60
gcgggagcat	gaacgcccct	ccagccttcg	agtcgttctt	gtctttcgag	ggcgagaaga				120
agatcaccat	taacaaggac	accaaggtac	ccaatgcctg	tttattcacc	atcaacaaag				180
aagaccacac	actgggaaac	atcattaaat	cacaactcct	aaaagaccgg	caagtgcctat				240
ttgctggcta	caaagtcccc	cacccttggg	agcacaagat	catcatccga	gtgcagacca				300
cgccggacta	cagccccag	gaagcctttg	ccaacgccat	caccgacctc	atcagtgagc				360
tgtccctgct	ggaggagcgc	tttcgggtgg							390

<210> 1056
 <211> 450
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(450)
 <223> n = A,T,C or G

<400> 1056									
ccagcatcac	cttttggtec	nnacactcca	gggctgccag	gagcaccagt	gttaccgcga				60
ggacctgggg	gcccatcctt	gcctggagaa	ccgctgggac	ctgggggtcc	tgggttacca				120
ttactaccag	gaggaccagg	aagaccacga	gcaccaggga	agccagcagc	accagggtcca				180
ccaggactgc	cacgttcacc	tttgacacct	tggggaccag	gaggaccagn	angtccagaa				240
cctccagggg	gtcctgcaac	tccaggaggg	cctccttcac	ctttctcacc	cggagcccct				300
ctttctcctt	taccaccagg	ttcaccattc	tgtccaggag	caccagggaa	accagcaggt				360
cctggagggc	cagtttnacc	tctctcacca	nggctaccac	gaggtccagc	tatacctgga				420
agtccggggg	caccaccttc	acccttacct							450

<210> 1057
 <211> 337
 <212> DNA
 <213> Homo sapien

<400> 1057									
tgagcggccg	cccggcaggt	cctcgccctg	agggccccgg	gcagcacagg	gaggacgagc				60
ttgtccagca	gagggctctg	cagaggggtc	cgcagagggt	tgggcagggg	gtctgacatc				120
cctggctcct	gctctggctc	tggctgccgg	gatttgacac	ggcccagggt	catacagatg				180
ccgtttgagt	caatctgggt	ctggaagtag	tcgatgacca	gggggaagta	gtcgtcaagc				240
acttggttgc	actggggcat	gagcagcttc	aaggggagga	cgttgccact	ctgctccagg				300
aacttcctca	tcgtgtcctg	gaaaatggcc	tccttggg						337

<210> 1058
 <211> 237
 <212> DNA
 <213> Homo sapien

<400> 1058


```
<210> 1059
<211> 210
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(210)  
<223> n = A,T,C or G
```

```
<210> 1060
<211> 564
<212> DNA
<213> Homo sapien
```

```
<210> 1061
<211> 267
<212> DNA
<213> Homo sapien
```

```
<210> 1062
<211> 603
<212> DNA
<213> Homo sapien
```

<223> n = A,T,C or G

ctggtcacatc	tgtcatgtga	agaccatctt	cctacagagt	ctaggctggc	cgtcgttgaa	60
gtcctcacca	gtactacacc	acttttcttc	accaaccccc	atcctattct	tgagttgcag	120
gatacacttg	ctctctggaa	gtgtgtcctt	acccttctgc	agagtgagga	gcaagctgtt	180
agagatgcag	ccacggaaac	cgtgacaact	gccatgtcac	aagaaaatac	ctgccagtca	240
acagagtttg	ccttctgcc	ggtggatgcc	tccatcgctc	tggccctggc	cctggccgctc	300
ctgtgtgatc	tgctccagca	gtgggaccag	ttggccctcg	gactgcccat	ctcgtctggga	360
tggctgttgg	gagagagtga	tgacctcgtg	gctgtgtggg	agagcatgca	tcaagtgga	420
gaagactacc	tgtttgaaaa	agcagaagtc	aacttttggg	ccgagacct	gatctttgtg	480
aaatacctct	gcaagcacct	ctctgtcttc	ctctcaaaag	tccggtggc	gtncccaag	540
ccctgagatg	ctctgtcacc	ttcaaaggat	ggtgtcagag	cagtgccacc	tnctgtctca	600
gtt						603

<213> Homo sapien

ccatcgtgga	tcaactgagat	gcagtgggcgg	tcccgcgtagc	tggcccgtgg	catgccaccc	60
tggaagatgg	tgaagggcaa	cccctgccta	gtggtcagcc	ggaggattct	ggtaatcgct	120
ttgcaaggaa	agggaccgta	aggcacgagg	ctgcggaggg	gctctggttg	ctgggcttcg	180
ctggacacgg	gccactggca	gtagctgccg	tcagagtgc	ag		222

<213> Homo sapien

<223> n = A, T, C or G

```
<400> 1084  
gatgatcaat atnnactgga acacatgcatt gcttttggaa tgtataatta cctgcactgt      60  
qattcatggc att                                     72
```

<213> Homo sapien

<400> 1065							
gtggccgtga	tggatagcga	caccacaggc	aagctgggct	ttgaggaatt	caagtacttg		60
tgaacaaca	tcaaaaggty	gcaggccata	tacaaacagt	tgcacactga	ccgatcaggg		120
accatttgca	tgagtgaact	ccaggtgcc	tttgaggcag	cagggttcca	cctgaatgag		180
catctctata	acatgatcat	ccgacgctac	tcagatgaaa	gtgggaacat	ggattttgac		240

aacttcatca g

251

<210> 1066

<211> 289

<212> DNA

<213> Homo sapien

<400> 1066

ctggagatga	tcctcaacaa	gccagggctc	aagtacaagc	ctgtctgcaa	ccaggtggaa	60
tgtcatcctt	acttcaacca	gagaaaactg	ctggatttct	gcaagtcaaa	agacattggt	120
ctggttgcct	atagtgtctt	gggatcccac	cgagaagaac	catgggtgga	cccgaactcc	180
ccagtgtctt	tggaggaccc	agtcctttgt	gccttggcaa	aaaagcacia	gcgaacccca	240
gccctgattg	ccctgcgcta	ccagctacag	cgtgggggtg	tggtcctgg		289

<210> 1067

<211> 301

<212> DNA

<213> Homo sapien

<400> 1067

ctgtagtga	ctgaagtcgc	taaacaggac	ggatttaagt	agaggtgata	tgtccagtca	60
ccggcataga	gacgtcctct	gcgtcaccat	ccacacacag	ggcttctggt	agacatcagg	120
caaagctctc	catgttaata	ttcatctgaa	tatggataat	taggggtggt	agcaaaacta	180
tcactgttaa	aatagtggag	atttctgtct	aggccatcta	tggctttcat	gtcctccgca	240
gtcaactgga	actcaaaaac	ctgcacgttc	tgtctgatgc	gctgctcatt	gtagctcttg	300
g						301

<210> 1068

<211> 255

<212> DNA

<213> Homo sapien

<400> 1068

ccagcagttc	ctctttgcct	tatatttggt	gtacgcccgg	ccagccttca	agatggggtt	60
gtcaattcgg	ccacctccag	ccaccacacc	aaccacagct	ctggtggctg	aggagataac	120
cttcttgagg	ccggagggca	gcttcacacg	ggctctcttg	gtctcagggt	tgtgggagat	180
aacggtggca	tagttccctg	atgcccgggc	cagcttgcca	cggctctccag	gcttctcctc	240
caggcagcac	acgat					255

<210> 1069

<211> 77

<212> DNA

<213> Homo sapien

<400> 1069

ctggacaggc	tccagcaccg	gcccacacac	gcccagacct	cggcaggcac	cacctgggtc	60
tcccacccag	aaagttc					77

<210> 1070

<211> 163

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(163)
 <223> n = A,T,C or G

<400> 1070
 ctgctgggat gncgtgccaag tttttcagcc ataaggtagc gaaatctagc agaatccaga 60
 ttacatccac ttccaatcac gcggtgtttg ggtaatccac ctagtttnna ggtaacatac 120
 gtaagaatgt ccaactgngtt ggaaacnnc attatgatgc aat 163

<210> 1071
 <211> 246
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(246)
 <223> n = A,T,C or G

<400> 1071
 ctgaccggac cggncatgcc cgtccggaac gtctataaga aggagaaagc tcgagtcatc 60
 actgaggaag agaagaattt caaagccttc gctagtctcc gtatggcccc tgccaacgcc 120
 cggctcttcg gcatacgggc aaaaagagcc aaggaagccg cagaacagga tgttgaaaag 180
 aaaaaataaa gccctcctgg ggacttggaa tcagtcggca gacaaaaaaa aaaaaaaaaa 240
 aacaaa 246

<210> 1072
 <211> 224
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(224)
 <223> n = A,T,C or G

<400> 1072
 ctgccctgac agagcgtctc ttgatgggca tggactggaa aggatcccag gaatacaaga 60
 aggcagaaaa aaaagtgttg aagatcttta aatctgacag tgaagtggct ggttacatcc 120
 ggcaagcggg tgacttccat cangtaatta ttcgaggtgg aggacatatt ttaccctatg 180
 accagcctct gagagctttt gacatgatta atcgattcat ttat 224

<210> 1073
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 1073
 ctgtagttga ctgaagtcgc taaacaggac ggatttaagt agaggtgata tgtccagtca 60
 ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggg agacatcagg 120
 caaagctctc catgttaata ttcattctgaa tatggataat taggggtggc agcaaaaacta 180
 tcaactgttaa aatagtggag atttctgtct aggccatcta tggctttcat gtctcttgca 240
 gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg 300
 g 301

<210> 1074
 <211> 132
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(132)
 <223> n = A,T,C or G

<400> 1074	
caagctttttt tttttttttt tttttttttt ttcgctcaaa nactttnttt tattantaca	60
tgggctggna ttgatggnaa gggacaaatg tanttggcaa ccatgggttag catcggatgc	120
ccatcccaat gg	132

<210> 1075
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 1075	
ctgtagttga ctgaagtcgc taaacaggac ggatttaagt agaggtgata tgtccagtca	60
ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggt agacatcagg	120
caaagctctc catgttaata ttcactctgaa tatggataat taggggtggct agcaaaacta	180
tcactgttaa aatagtggag atttctgtct aggccatcta tggctttcat gtctctgca	240
gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg	300
g	301

<210> 1076
 <211> 436
 <212> DNA
 <213> Homo sapien

<400> 1076	
ctgctgggat gaatgccaa tttttcagcc ataaggtagc gaaatctagc agaatccaga	60
ttacatccac ttccaatcac gcggtgtttg ggtaatccac ctagtttcca ggtaacatac	120
gtaagaatgt cactgggtt ggaaaccaca attatgatgc aatcaggact gtacttgacg	180
atctgaggaa taatgaattt gaagacatta acatttctct gcaccagatt gagccgactc	240
tcccttctt gctgacggac tcctgcagtt actactacaa tcttagaatt ggcggtcaca	300
gaataatctt tatctgccac aatttttaggt gtctgaagaa ataagctccc atgctgcaga	360
tccatcattt ctcttttaag cttatcttcc aaaacatcca caagagcaag ttcacagcc	420
agagactttc ccagaa	436

<210> 1077
 <211> 256
 <212> DNA
 <213> Homo sapien

<400> 1077	
ctgaagatta ataggaaaca gtgaaaaagc aacgtcctgt gatcagtaac tttaaagaca	60
agcttggttc tctctttctg gcactactga cattcccacc attctagctt ccgaattctg	120
gaaaaagaga agatgattaa caaaaataga gaatgtagaa acttctgggt ttgtgcctac	180
aggattggca ccagaccctc agtgcctact tgctccatct acaaggcagc acccctccca	240

gaggcagcca gggagg

256

<210> 1078

<211> 202

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(202)

<223> n = A,T,C or G

<400> 1078

ctgtgctncn	caaccagatc	catgtnaagt	gccccgcca	gagaagggag	ccagggggag	60
ctgactncag	ncaacancca	gtgnccggat	gancaccaac	atgtgagggg	tgaaccttgg	120
cctccangac	atntgcaccc	cctnccccacc	tccacggacc	tgggacctcc	aggcggctca	180
gtgctgcctg	cggccagct	aa				202

<210> 1079

<211> 170

<212> DNA

<213> Homo sapien

<400> 1079

gcgcttctcg	ggcaccgtca	ggettaagtc	cactccccgc	cctaagttct	ctgtgtgtgt	60
cctgggggac	cagcagcact	gtgacgaggc	taaggccgtg	gatatcccc	acatggacat	120
cgaggcgctg	aaaaaactca	acaagaataa	aaaactggtc	aagaagctgg		170

<210> 1080

<211> 494

<212> DNA

<213> Homo sapien

<400> 1080

cctgctggcaa	agagatgcgc	ttattgagaa	acatggctta	gttataatcc	ccgatggcac	60
tccaatggg	gatgtcagtc	atgaaccagt	ggctggagcc	atcactgttg	tgtctcagga	120
agctgctcag	gtcttgaggt	cagcaggaga	agggccatta	gatgtaaggc	tacgaaaact	180
tgctggagag	aaggaagaac	tactgtcaca	gattagaaaa	ctgaagcttc	agttagagga	240
ggaacgacag	aatgctcca	ggaatgatgg	cacagtgggt	gacctggcag	gactgcagaa	300
tggctcagac	ttgcagttca	tcgaaatgca	gagagatgcc	aatagacaaa	ttagcgaata	360
caaattttaag	ctttcaaaaag	cagaacagga	tataactacc	ttggagcaaa	gtattagccg	420
gcttgagggg	caggttctga	gatataaaac	tgctgctgag	aatgctgagg	aaagttgaag	480
atgaattgaa	agca					494

<210> 1081

<211> 123

<212> DNA

<213> Homo sapien

<400> 1081

ctgctgctat	taagttgcaa	gctctacagc	tagctacatg	actgatggat	cagtttgaga	60
tttgttccct	tgtcaaaagt	taaactctga	tagaaggttg	gcctcacatt	ctgatgtttg	120
gac						123

<210> 1082
 <211> 297
 <212> DNA
 <213> Homo sapien

<400> 1082							
cctgcacttg	aacatggctt	tggttttaag	caacttctct	accctgaccc	tcttcctggg		60
acagcgtttc	gggagggttc	ttggcctcac	tgagagggat	gtggagctgc	tgtaccccg		120
caaggagaag	gtattctaca	gcctgatgag	ggagagcggc	tacatgcaca	tccagtgcac		180
caagcctgac	accgtaggct	ctgctctgaa	tgactctcct	gtgggtctgg	ctgcctatat		240
tctagagaag	ttttccacct	ggaccaatac	ggaattccga	tacctggagg	atggagg		297

<210> 1083
 <211> 452
 <212> DNA
 <213> Homo sapien

<400> 1083							
ctgggccacg	aggacaccac	cagcttggat	cggcctcgcc	gtgtggaata	ctttgtagat		60
aagcaactcc	aagtaaaggc	tgtcacctgt	gggccgtgga	acacctacgt	gtatgctgtg		120
gagaaagga	agagctgaca	tgtgtacgta	tatgtatatg	caacacctgt	gagaccccca		180
ttcaggtcaa	ggaaaaccat	tgctgcacc	ccaagggccc	catatttgcc	cctccccatc		240
acagtcctgc	ccttcaccct	caagcacggg	cctaaacttg	tctgcacttt	agaaacacct		300
ggagagcatt	gaaaactctg	ctgcctaagg	tcagcatcaa	tcaaaacaat	gaaatcaatg		360
aaacaatgaa	accagagctt	ctaggtgtgt	ggcctggata	gtggttagatt	caaagctcca		420
cccacctcat	cccaggtaca	tttgatgtgc	ag				452

<210> 1084
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 1084							
ctgtagttga	ctgaagtgcg	taaacaggac	ggatttaagt	agaggtgata	tgtccagtca		60
ccggcataga	gacgtcctct	gcgtcaccat	ccacacacag	ggcttctggg	agacatcggg		120
caaagctctc	catgttaata	ttcatctgaa	tatggataat	taggggtggc	agcaaaaacta		180
tcactgttaa	aatagtggag	atttctgtct	aggccatcta	tggctttcat	gtcctctgca		240
gtcaactgga	actcaaaaac	ctgcacgttc	tgtctgatgc	gctgctcatt	gtagctcttg		300
g							301

<210> 1085
 <211> 369
 <212> DNA
 <213> Homo sapien

<400> 1085							
ctgtttccca	tgggccacca	ggcggctcag	gacagcaaac	gtctcatccc	ctctcaggat		60
gtacttctcc	atgtcctgct	cgatccactg	gtacatgagg	cccttcacat	gcacgtctcg		120
gatggcgctc	gtcacgtcct	tgtagagatg	tgcttggtca	aactccaggc	tgtggcccag		180
aaagtagtcc	accacacagg	acagcagagc	catctccggg	agcgagaaga	tgtccatgaa		240
ctgcttaatg	gagggaccct	tgccatagaa	gccactcatc	tggtatagtg	ggatgtgctg		300
ggtaccccca	tacagctcaa	tcacctcctc	gtctggcaca	ggctggaggc	ccctgtaggc		360
tgtccccag							369

<210> 1086
 <211> 316
 <212> DNA
 <213> Homo sapien

<400> 1086
 cctcagaggt ttctccacag tcctcttctg ggcaaattct tgtttcttca catgccggac 60
 tagcttaaga ccaatgcagt agcttatttc caagccttgc aaagtatata atatctaaga 120
 ggaaagggtt tgatcatcca gcgttgcca ctttgtggg ctttgtagg agacggagcc 180
 aactacacag cagggtatga gcagagggat gtatggagt tgggtgactc tgagcctcac 240
 tgccgctgca aggtggggaa actgtaagt aaccctgtg ggtgcggggg agggatatccg 300
 gtgcgcaggg aggtgg 316

<210> 1087
 <211> 329
 <212> DNA
 <213> Homo sapien

<400> 1087
 cctgcagggg atgggacctt ccagaagtgg gcgtctgtgg tgggtgccttc tggacaggag 60
 cagagataca cctgccatgt gcagcatgag ggtctgccc agcccctcac cctgagatgg 120
 gagccgtctt cccagcccac catccccatc gtgggcatca ttgctggcct ggttctcttt 180
 ggagctgtga tcgctggagc tgtggctcgt gctgtgatgt ggaggaggaa gagctcagat 240
 agaaaaggag ggagctactc tcaggtgca agcagtgaca gtgccaggg ctctgatatg 300
 tctccacag cttgtaaagt gtgagacag 329

<210> 1088
 <211> 342
 <212> DNA
 <213> Homo sapien

<400> 1088
 ccactcactg ctgggaccca ggcacctccc ttctccatcc tctctggatt gtcagtaatg 60
 tcctggaaca gaagcctgtg ggatggcctt gggcacggag aagccctggg gtcagtgtcg 120
 tgcacggatg gcggcagtgt tgaaccagg aggtgaacc cggcccacca cggaagatga 180
 gtgcatggca accgcctgcc ttcacgtgc tccacttggg aacccaagg tctgggctgt 240
 tctaggtatt gcttcacgtg ccccagcaag cccttaacaa gagggcctgg ttcctgaag 300
 aaccaatccc aggaaggggc cttgatccct ccgccttgct ga 342

<210> 1089
 <211> 51
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (51)
 <223> n = A,T,C or G

<400> 1089
 ccttgtgttc agtctccncg ctcttcttgc cactgttgag ggtggagatg t 51

<210> 1090
 <211> 515

1086
 1087
 1088
 1089
 1090

<400>	1093								
ctgtgcatgg	agccatttgg	atggcggcgg	gcgggggggg	attctctgta	tcaaggagtga			60	
ctttgttgcc	ccacacagcc	tcttgetgca	ggtgctttgg	aaagagatgc	tgccttggag			120	
ctggtgaatc	tgtggaccac	attcaagggt	gtggcacagg	cattctccca	tccttttcac			180	
tccgaatcgc	tggcgacaca	ttctcctttc	cagctaggaa	agggttcctc	gcggtctggtt			240	
tagattgtgg	ttgtttgttt	tgtttctact	aagaactgttt	tgtttcaaaa	aggaaacaag			300	
ttttgtgttt	gctgtctacg	ctggagtcc	gaactgtggg	tagaaaaaac	gacctggctt			360	
tgtagaaagg	acacagggct	gttttatgaa	ctaagcggtg	aggctcaggt	ggcggctctc			420	
acaaqcccc	tgatgctgtt	gttcttttag	ggcttaagg					459	

<210> 1094
 <211> 610
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(610)
 <223> n = A,T,C or G

<400> 1094
 ccatgcaaaa ggaggtggtg cactcagtgc agtcgctgcc acaaaaagtc cgattatattt 60
 cattggtaca ggggaacata tagatgactt tgaacctttc aaaacacagc cttttatttag 120
 caaacttctt ggtatgggcg acattgaagg actgatagat aaagtcaacg agttgaagtt 180
 ggatgacaat gaagcactta tagagaagtt gaaacatggt cagtttacgt tgcgagacat 240
 gtatgagcaa tttcaaaata tcatgaaaat gggccccttc agtcagatct tggggatgat 300
 ccctggtttt gggacagatt ttatgagcaa aggaaatgaa caggagtcaa tggcaaggct 360
 aaagaaatta atgacaataa tggatagtat gaatgatcaa gaactagaca gtacggatgg 420
 tgccaaagtt tttagtaaac aaccaggaag aatccaaaga gtagcaagag gatcgggtgt 480
 atcaacaaga gatgttcgag aacttttgac acaatatacc aagtttgcac agatggtaaa 540
 aaagatggga ggtatcaaag gacttttcaa aggtgggcga catgtctaan aatgtgagcc 600
 agtcacagat 610

<210> 1095
 <211> 232
 <212> DNA
 <213> Homo sapien

<400> 1095
 ccttattttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
 attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
 atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
 atatggactc tagaatagga ttgcgctggt atccctaggg taacttgttc cg 232

<210> 1096
 <211> 377
 <212> DNA
 <213> Homo sapien

<400> 1096
 ccacgctcat ggaaaccacc caaggacagc cagagtccac attccctggc aagctgggtg 60
 tattcttcca aaagtttccc acccagtggt tcagacaggt gtagcgtctc tgcagggtcc 120
 cgtgcaatga agtcaaatgc ctcaggcagg aaagccaggc aggcacccag tctggcagcc 180
 tctcgaacca gccacgcaca tgttttaaag ttctgttgct tgtctggcgt cgatgttacc 240
 tggcacacag ccaccagggg cagttcgcag gaggaagagg agatagccat ggctctgggc 300
 ctgggctgag caciaagtac tgagagttga ggtatccgga gtccaggaca cagaagggac 360
 aggaatctgt gaggagg 377

<210> 1097
 <211> 311
 <212> DNA
 <213> Homo sapien

<400> 1097
ccacgccatg gggctggagc actcccaaga ccctggggcc ctgatggcac ccatttacac 60
ctacaccaag aacttccgtc tgtcccagga tgacatcaag ggcattcagg agctctatgg 120
ggcctctcct gacattgacc ttggcaccgg cccaccccc acactgggccc ctgtcactcc 180
tgagatctgc aaacaggaca ttgtatttga tggcatcgct cagatccgtg gtgagatctt 240
cttcttcaag gaccggttca tttggcggac tgtgacgcca cgtgacaagc ccatggggcc 300
cctgctggtg g 311

<210> 1098
<211> 404
<212> DNA
<213> Homo sapien

<400> 1098
ccacccacgc ttaggttccc atcacactga tgactccggg tttggcgagc acaggagcgc 60
aaaccttttc acattctttc tgtgatccaa atttgttttc gtttccacca caacctccat 120
accagaatct tgcacagctt ttggtgtttg gatcatagta ccattttaat atgaaatccc 180
tgcaagttcc ttctgttttc ggcaacttgc atatatctgt ttcagtgaga gccaatgggt 240
ctgtgctcac cattagattg atggttgaac tagaagctga ccttgctggc tgtggagggtg 300
ggggctgaga tttcttttga ctgaaacttc cgtggtaggt ggctctgacc tgagacctca 360
ggtagcagac cacagccaca tggatatgtct gccagcgag cagg 404

<210> 1099
<211> 442
<212> DNA
<213> Homo sapien

<400> 1099
ccatgggatg gctcttctga ccattggggg ccaggccagg ccaggccagg cttagggtag 60
caaggaccag gccaaagggg cagggcctcc tttggagggg ttgaggggta catcctcggc 120
tggtgtttgc atccaggggt ccagcaggat ctcttccagt gagggtcggg aagaagggtt 180
ggggggccagg caccggcgga ttagggcaca gcagtctggg gagacatggg ctggggaagtg 240
gagctcagct tccagaatct cctggctcct ctcaaaggga atgtccccac acaccatgtc 300
atagaggagg atgccagtg accagacagt ggccgggagt gcatggtact ggtgtcgaga 360
gatccactct ggggggctgt acacccttgt cccatcaaag tcagtgtagg gttcatcatg 420
aagcagggca ccaggaacca aa 442

<210> 1100
<211> 191
<212> DNA
<213> Homo sapien

<400> 1100
ccacgaaaat caatgagaag ccacaggtga tcgcggacta tgagagcgga cgggccatac 60
ccaataacca ggtgcttggc aaaatcgagc gggccattgg cctcaagctc cggggaaagg 120
acattggaaa gccatcgag aaggggccta gggcgaaatg aacacaaagc ctcgaaatca 180
gtgcgctcca g 191

<210> 1101
<211> 178
<212> DNA
<213> Homo sapien

<400> 1101

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cggggtacttt ggtggacatg aaggaactgg gcatatggga gccattggct gtgaagctgc      60
agacttataa gacagcagtg gagacggcag ttctgctact gcgaattgat gacatcgttt      120
caggccacaa aaagaaaggc gatgaccaga gccggcaagg cggggctcct gatgctgg      178

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<210> 1102
<211> 209
<212> DNA
<213> Homo sapien

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<400> 1102
agccaggcta gtgacagaaa tggattcgaa atatcagtgt gtgaagctga atgatggcca      60
cttcatgcct gtcctgggat ttggcaccta tgcgcctgca gaggttccta aaagtaaagc      120
ttagaggcc accaaattgg caattgaagc tggcttcgc catattgatt ctgctcattt      180
atacaataat gaggagcagg ttggactgg      209

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<210> 1103
<211> 396
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

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<400> 1103
ctatagggct cgagggccgc ccgggcaggt ggtgcctcta atactgggtga tgctagaggt      60
gatgtttttg gtaaacaggc ggggtaagat ttgccgagtt ccttttactt tttttaacct      120
ttccttatga gcatgcctgt gttgggttga cagtgggggt aataatgact tgttggttga      180
ttgtagatat tgggctgtta attgtcagtt cagcgtttta atctgacgca ggcttatgca      240
gaggagaatg ttttcatgtt acttatacta acattagttc ttctataggg tgatagattg      300
gtccaattgg gtgtgaggag ttcagttata tgtttgggat tttttaggta ntgggtgttg      360
agcttgaacg ctttcttaat tggtggtcgc ttttagg      396

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```

<210> 1104
<211> 342
<212> DNA
<213> Homo sapien

```

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<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

```

```

<400> 1104
ctgctgatac ccaggcagta gctgatgctg tcacctacca gctcggtttc cacagcattg      60
aactgaatga gctccactg gtccacacag cagccagcct ctttaaggag atgtgttacc      120
gataccggga agacctgatg gcgggaatca tcatcgcagg ctgggaccct caagaaggag      180
ggcaggtgta ctcaagtgcct atggggggta tgatggtaag gcantncttt gccattggag      240
gctccgggag ctccacatc tatggctatg ttgatgctac ctaccgggaa ggcattgacca      300
angaagagtg tctgcaattc actgccaatg ctctcgcttt gg      342

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<210> 1105
<211> 551

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1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200

<212> DNA

<213> Homo sapien

<400> 1105

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cctgggtgtag	tttcttcatt	tcaggaagac	tgacagttgt	tttgcttctt	ccttaaagca	120
tttgcaacag	ctacagtcta	aaattgcttc	tttaccaagg	atatttacgg	aaaagactct	180
gaccagagat	cgagaccatc	ctagccaaca	tcgtgaaacc	ccatctctac	taaaaatata	240
gaaattagct	ggacatgggtg	gcatgtgcct	gtaatcccag	ctactcagga	ggctgaggca	300
ggagaactgc	ttgaacaggg	acccgggagg	cggagattgg	agtgagccga	gatcgcgcca	360
ctgcactcca	gtctgggcta	cacagtgaga	ctctgtctca	agaaaaataa	acagaagaat	420
tgggggttg	gggtgggaaa	cagtgtttcc	aggcagagag	aacagcacgt	acaaaggaga	480
ctgttgggag	ggttaaatga	aataattcat	gtaagggtact	tagtaccaca	catgaatttc	540
acaagcagca	g					551

<210> 1106

<211> 280

<212> DNA

<213> Homo sapien

<400> 1106

ctgctcttca	cacagggttc	tggggaaaaac	aaggaagaga	tcatcaatta	tgaatttgac	60
accaaggacc	tggtgtgcct	gggcctgagc	agcatcggtg	gcgtctggta	cctgctgagg	120
aagcactgga	ttgccaaaca	ccttttttggc	ctggccttct	cccttaatgg	agtagggctc	180
ctgcacctca	acaatgtcag	cactggctgc	atcctgctgg	gcggactctt	catctacgat	240
gtcttctggg	tattttggcac	caatgtgatg	gtgacagtgg			280

<210> 1107

<211> 570

<212> DNA

<213> Homo sapien

<400> 1107

ctgattagt	tctaaggaat	ggtccaatac	tggtgccctt	ttccttgact	attacactgc	60
ctggaggata	gcagagaagc	ctgtctgtac	ttcattcaaa	aagccaaaat	agagagtata	120
cagtcctaga	gaattcctct	atgtgttcag	atctcataga	tgacccccag	gtattgtctt	180
ttgacatcca	gcagtccaag	gtattgagac	atattactgg	aagtaagaaa	tattactata	240
attgagaact	acagctttta	agattgtact	tttatcttaa	aagggtggta	gttttccta	300
aaatacttat	tatgtaagg	tcattagaca	aatgtcttga	agtagacatg	gaatttatga	360
atggttcttt	atcatttctc	ttcccccttt	ttggcatcct	ggcttgccctc	cagttttagg	420
tccttttagtt	tgcttctgta	agcaacggga	acacctgctg	agggggctct	ttccctcatg	480
tatacttcaa	gtaagatcaa	gaatcttttg	tgaaattata	gaaatttact	atgtaaattgc	540
ttgatggaat	tttttctctg	tagttagct				570

<210> 1108

<211> 386

<212> DNA

<213> Homo sapien

<400> 1108

ctgttctctgc	ggtgacactg	tataaacacg	atgacctg	cttgacttta	gttgctggtc	60
ttacatcaaa	taagcccaca	gacaaactcc	gtgccctgcc	tctgtgggta	tctttacaat	120
acttgggact	tgatgggttt	gtggagagga	tcaagcatgc	ctgtcaactg	agtcaacggt	180
tgcaggaaag	tttgaagaaa	gtgaattaca	tcaaaatctt	ggtggaagat	gagctcagct	240

ccccagtggg	ggtgttcaga	ttttccagg	aattaccagg	ctcagatccg	gtgttttaaag	300
cogtcccagt	gcccacatg	acaccttcag	gagtcggccg	ggagaggcac	tcgtgtgacg	360
cgctgaatcg	ctggctggga	gaacag				386

<210> 1109

<211> 409

<212> DNA

<213> Homo sapien

<400> 1109

ctctggtctg	taaccagtct	cttcaaggca	ttatctcctg	gggccaggat	ccgtgtgcca	60
tcacccgaaa	gcctggtgtc	tacacgaaag	tctgcaaata	tgtggactgg	atccaggaga	120
cgatgaagaa	caattagact	ggaccacccc	accacagccc	atcacccctcc	atttccactt	180
ggtgtttggt	tctgtttcac	tctgttaata	agaaacccta	agccaagacc	ctctacgaac	240
attctttggg	cctcctggac	tacaggagat	gctgtcactt	aataatcaac	ctgggggttcg	300
aaatcagtga	gacctggatt	caaattctgc	cttgaaatat	tgtgactctg	ggaatgacaa	360
cacctggttt	gttctctggt	gtatccccag	ccccaaagac	agctcctgg		409

<210> 1110

<211> 215

<212> DNA

<213> Homo sapien

<400> 1110

ccattttgga	gtgtgtccat	tgggtagcaa	tgtggaaacc	accagggcct	ttgtggagaa	60
aatggagggg	gttgagggag	tcccaggagg	ggcttatttg	agggcctttg	ccacttgctc	120
ataggcgagc	tcgatctcct	catcatctgg	acaggtggaa	gcgaattctt	cccgggcgta	180
ggcattgtct	aagtaccgat	gcactccccg	gaagg			215

<210> 1111

<211> 308

<212> DNA

<213> Homo sapien

<400> 1111

cctgggcccg	ctgacttcag	ggtgaggcca	cagctactgc	agcgcttttt	atttatattat	60
ttatattactg	agatggagtc	ttgctctgtc	accaggctg	gagtgcagtg	gtgcaatctc	120
ggctcactgc	aacctctgcc	tctgggctg	cagtgattct	cctgcgttca	agtaattctc	180
ctgcctcggc	cttctgagta	gttgggatta	caggcatatg	ccaccacact	tggctaattt	240
tttgtatttt	tagtagaaat	ggggtttcac	catgttggcg	aggctggtct	cgaactcctg	300
acctcaag						308

<210> 1112

<211> 177

<212> DNA

<213> Homo sapien

<400> 1112

ccactggctc	cctgggccag	ggcctcgggg	ccgcttgtgg	gatggcctac	accggcaaat	60
acttcgacaa	ggccagctac	cgagtctatt	gcttgctggg	agacggggag	ctgtcagagg	120
gctctgtatg	ggaggccatg	gccttcgcca	gcattctataa	gctggacaac	cttgtgg	177

<210> 1113

<211> 646

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(646)
<223> n = A,T,C or G

<400> 1113
ccccaccatg gacacacttt gctacacact cctgctgctg accaccctt cctgggtctt 60
gtcccaggtc accttgaagg agtctggtcc tgtactggtg aaaccacacag agaccctcac 120
gctgacctgc accgtctctg ggttttcact cagtaatatt agagtgggtg tgagttggat 180
ccgtcagccc ccagggaagg ccctggagtg gtttgcatac attttttcga ctgacgaaaa 240
atccttcaat tcatctctga agaacaggct caccatctcc aaggacacct ctaaaagcca 300
ggtggctcct agcatgacca acatggaccc tgtggacaca gccacatatt actgtgcacg 360
gctctctatt tacttcgggg agttagaaac ctaccaatac atggacgtct ggggcaaagg 420
gaccaccgcc accgtctcct cagcatcccc gaccagcccc aaggtcttcc cgctgagcct 480
ctgcagcacc cagccagatg ggaacgtggt catcgctgc ctggtccang gcttcttccc 540
ccaggagcca ctcagtgtga cctggagcga aagcggacan ggcgtgaccg ccagaaactt 600
ccccaccag ccaggatgcc tncggggacc tgtacaccac gagcag 646

<210> 1114
<211> 420
<212> DNA
<213> Homo sapien

<400> 1114
tgttgtttta ctcacctaac ccttagaaaa tgaatgttag aaggtgcctg ccgaggcggg 60
acagatgttt cgctcgcgct ggagaaggct ctgctcagcc ctgagagtcc cttcctgccc 120
caccgatact ggcactttta aaaggaagct gaccgcacag tgtccagacg aattggcccc 180
cagaagatgg ggagtctgt cctgcccttc tgtgtctgctg tgacctcacc cagcctagga 240
gggaggtgca ttcagggtag atttgccctc cattcaaagt tctggggctt tgggtggaaa 300
acagccagct ttggcgctgt tggggagact cctccagacc aggaaccca gaaggagaca 360
gagcctgcca catcctcca cgccaggccc tgggcccagg tgattggact gagaatttgg 420

<210> 1115
<211> 416
<212> DNA
<213> Homo sapien

<400> 1115
ctgaaagttt ctaaaataga aacctgggtgc atatggcccc aaaacaccac atgctttgat 60
tacactcagg gagcatgagt tgcctatttg ggtgagaaaa tcccatgtta cagtgcgatc 120
gctgggcacg ttttgagta attccagcca ctgctatgta agtgttttta attcaggggt 180
gtcttctacg ttttcatctt ctgaatatct tgtgacgggtg caggtttgag caaaactggc 240
atgaaatgag agctgtttta gatgaagatt gcaagatgga tggcttggcc cacagtggca 300
gtgggttggg ggtggaatgt ggacaattag gaaaaaggca tgtcattcta tctggctcct 360
ggagaggcag atagtcttgg gggcttttgg gtcacagttc ccaaaagcaa ggttgg 416

<210> 1116
<211> 382
<212> DNA
<213> Homo sapien

<400> 1116
 ccttatttct cttgtccttt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60
 attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
 atagcggtcg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
 atatggactc tagaatagga ttgcgctgtt atccctaggg taacttggtc cgttggtcaa 240
 gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
 ctcggagggtt gggttctgct ccgagggtcg cccaaccgaa aatttttaat gcaggcttgg 360
 tagtttagga cctgtggggt tg 382

<210> 1117
 <211> 370
 <212> DNA
 <213> Homo sapien

<400> 1117
 ctgctgtct gaaaacacaa gatttaaaac atagtaatta ttgaacctca gaagaaaaac 60
 tcagattgaa agagcttaga ataagaccct ttttgagttg agaaagggtga gtacttagat 120
 ttttcatttg ctttgtttgg gattacttac atcagtattt tatgttgatc agaaagaaag 180
 gattcaatta gctattgttc ggttaataaa aatgtcagcc actgtaggag taagttggat 240
 gtccagcctt tttagattgc ttaacttgga aacactggac tgggagcggg ggctcatgcc 300
 tgtgatccca gcactctggg aggccaaggc aggcatca ctggagggtca ggagtttgag 360
 accaacctgg 370

<210> 1118
 <211> 494
 <212> DNA
 <213> Homo sapien

<400> 1118
 ctgtctctta cttttaacca gtgaaattga cctgcccgtg aagaggcggg cataacacag 60
 caagacgaga agaccctatg gagctttaat ttattaatgc aaacagtacc tgacaaaccc 120
 acaggtccta aactaccaga cctgcattaa aaatttcggg tggggcgacc tcggagcaga 180
 acccaacctc cgagcagtag atgctaagac ttcaccagtc aaagcgaact actatactca 240
 attgatccaa taacttgacc aacggaacaa gttaccctag ggataacagc gcaatcctat 300
 tctagagtcc atatcaacaa tagggtttac gacctcgatg ttggatcagg acatcccgat 360
 ggtgcagccg ctattaaagg ttctgtttgt caacgattaa agtcctacgt gatctgagtt 420
 cagaccggag taatccaggt cggtttctat ctacttcaaa ttcctcctg tacgaaagga 480
 caagagaaat aagg 494

<210> 1119
 <211> 407
 <212> DNA
 <213> Homo sapien

<400> 1119
 ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
 tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
 ggagacgatg tcatcatcat cggggctctt aagggggaga gtgaccagc ctaccagcaa 180
 taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcagcaca 240
 gaaatagcaa agttcttgaa agtctcccag gggcagtcgg ttgtaatgca gcctgagaaa 300
 ttccagtcca agtatgagcc ccggagccac atgatggacg tccagggtc caccaggac 360
 tcggccatca aggacttcgt gctgaagtac gccctgcccc tggttgg 407

<210> 1120

<211> 548
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(548)
 <223> n = A,T,C or G

<400> 1120
 cccagagga cccgttgac ccagtggacc tcctggcaaa gatggaacca gtggacatcc 60
 aggtccatt ggaccaccag ggctcgagg taacagagg gaaagaggat ctgagggtc 120
 cccaggccac ccagggaac caggccctcc tggacctcct ggtgccctg gtccttgctg 180
 tgggtggtgt ggagccgctg ccattgctgg gattggagg gaaaaagctg gcggttttgc 240
 cccgtattat ggagatgaac caatggattt caaaatcaac accgatgaga ttatggcttc 300
 actcaagtct gttaatggac aaatagaaag cctcattagt cctgatgggt ctcgtaaaaa 360
 cccagctaga aactgcagag acctgaaatt ctgccatcct gaactcaaga gtggagaata 420
 ctgggttgac cctaaccaag gatgcaaatt ggatgctatc aagggtattct gtaatatgga 480
 aactggggaa acatgcataa gtgccaatcc ttngaagtgt ccacggaaac actggtggac 540
 agattcta 548

<210> 1121
 <211> 278
 <212> DNA
 <213> Homo sapien

<400> 1121
 cggccgaggt ccgccatggc gtgtgctcgc cactgatat cgggtgtact cgaaaagggg 60
 gagtcatctg gcaaaaatgt cactttgcct gctgtattca aggtccctat tcgaccagat 120
 attgtgaact ttgtttacac caacttgctg aaaaacaaca gacagcccta tgcgtgcagt 180
 gaattagcag gtcatcagac tagtgctgag tcttggggta ctggcagagc tgtggctcga 240
 attcccagag ttcgaggtgg tgggaactcac cgctctgg 278

<210> 1122
 <211> 591
 <212> DNA
 <213> Homo sapien

<400> 1122
 ctgcagcggc agaggcagca tccagcggcg gcgccagcag ttccagtccg ttgctttact 60
 ttttgcttca ccgacatagt cattatgccg aagagaaagt ctccagagaa tacagagggc 120
 aaagatggat ccaaagtaac taaacaggag ccacaaagac ggtctgccag attgtcagcg 180
 aaacctgctc caccaaaacc tgaacccaaa ccaagaaaaa catctgctaa gaaagaacct 240
 ggagcaaaga ttagcagagg tgctaaaggg aagaaggagg aaaagcagga agctggaaag 300
 gaaggcacag aaaactgaat ctgtagataa cgaggagaga tgaattgtca tgaaaaattg 360
 gggttgattt tatgtatctc ttgggacaac ttttaaaagc tatttttacc aagtattttg 420
 taaatgctaa ttttttagga ctctactagt tggcatacga aaatatataa ggatggacat 480
 tttatcgtct catagtcatg ctttttgga atttacatca tcctcaagta aaataaatat 540
 cagttaaata ttggaagctg tgtgtaagat tgattcagca ttccatgcac t 591

<210> 1123
 <211> 454
 <212> DNA
 <213> Homo sapien

<400> 1123
 ccaattgaaa caaacagttc tgagaccgtt cttccactac tgattaagag tgggggtggca 60
 ggtattaggg ataattattca ttttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagcctttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
 ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggccca 300
 tcttccagct ttttaccaga acggcgatca atcttttcct tcagctcagc aaacttgcat 360
 gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
 tggttcagga taatcacctg agcagtgaag ccag 454

<210> 1124
 <211> 219
 <212> DNA
 <213> Homo sapien

<400> 1124
 cctgctccag agcacggctg accattttctg ctccgggatc tcagctcccg ttccccaagc 60
 acactcctag ctgctccagt ctcagcctgg gcagcttccc cctgcctttt gcacgtttgc 120
 atccccagca tttcctgagt tataaggcca caggagtggg tagctgtttt cacctaaagg 180
 aaaagcccac ccgaatcttg tagaaatatt caaactaat 219

<210> 1125
 <211> 246
 <212> DNA
 <213> Homo sapien

<400> 1125
 ccagagctgg gcccagctg cgctggaatc gcagcaggag aggggagtgg gctgggttctt 60
 cccaccactt cccaggctct gacagccgag actcatttcc aaggcacagc agctttctaa 120
 agggactgag ttgggactgg gttttggacc tccaggggct ggagcttcat cacctgggca 180
 gtgtcttttc tcagagagca ggttttcttta tagtttggaa ataaatgggt cacgggttcaa 240
 aagaaa 246

<210> 1126
 <211> 227
 <212> DNA
 <213> Homo sapien

<400> 1126
 ccattgttcc cgtgcatcga agcttgcagg cagcttcagg tcctcggtaa acataactct 60
 ctgggggtggc ttgggcccac ccaggaaggt accacatagc ctcttcaagt agctcatgtc 120
 cacgtttagt aagttgtggc cggcctgcca cgtggtattc cgtttgttga catagttgac 180
 cagctcatcc gacaggggat ggaaagaggg cctgctccgg gcattgg 227

<210> 1127
 <211> 377
 <212> DNA
 <213> Homo sapien

<400> 1127
 cctgcogtcg atgccaggga ggccgacagg accttctttt ccagcggggc cgatatttcc 60
 aggggaacca ggaagacctc tgggtcccat gagaccaggc tccccagggc gaccagcatc 120
 tccattaggt cctcggactc cagcagggcc acttgacca cgactaccag gagggcccat 180

gacgccagct	ctgccatcag	ctccaggaag	accacgagaa	ccaggactac	ctctcagccc	240
aggaggtcct	ggagggccgg	cagatccagc	ttccccatta	gggcctctct	ttccttcttc	300
accactggga	ccaggaggac	cttggggccc	agcagagccg	ggctcaccct	tggtaccgct	360
ctctcctttg	gagccag					377

<210> 1128
 <211> 253
 <212> DNA
 <213> Homo sapien

<400> 1128						
gagagctatt	gctttgttaa	gatataaaaa	ggggtttctt	tttgtcttct	tgtaagggtg	60
acttccagct	tttgattgaa	agtcctaggg	tgattctatt	tctgctgtga	tttatctgct	120
gaaagctcag	ctggggttgt	gcaagctagg	gacccattcc	tgtgtaatac	aatgtctgca	180
ccaatgctaa	taaagtccta	ttctctttta	tgagaaagaa	aaagacactg	tccttttaaag	240
tgctgcagta	tgg					253

<210> 1129
 <211> 314
 <212> DNA
 <213> Homo sapien

<400> 1129						
ccaagagcta	caatgagcag	cgcacagac	agaacgtgca	ggtgtttgaa	ttccagttga	60
cttcagagga	gatgaaagcc	atagatggcc	taaacagaaa	tgtgcgatat	ttgacccttg	120
atatttttgc	tggcccccca	attatccatt	ttctgatgaa	tattaacatg	gagggcattg	180
catgaggtct	accagaaggc	cctgogtgtg	gatggtgaca	cagaggatgg	ctctatgctg	240
gtgactggac	acatcgccct	tggttaaatc	tctcctgctt	ggtgatttca	gcaagctaca	300
gcaaagccca	ttgg					314

<210> 1130
 <211> 239
 <212> DNA
 <213> Homo sapien

<400> 1130						
ccagtccaac	ctgctcctca	ttattgtata	aatgagcaga	atcaatatgg	cggaagtcag	60
cttcaattgc	caatttggtg	gcctctaaag	ctttactttt	aggaacctct	gcaggcgcat	120
aggtgccaaa	tcccaggaca	ggcatgaagt	gaccatcatt	cagcttcaca	caatgatatt	180
togaatccat	ttctgtcact	agcctggcta	gcaaattgtt	cttctctcct	cacaggcta	239

<210> 1131
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 1131						
aaggagtcc	gcttatcaca	atgaatgttc	tcttgggcag	cgttgtgatc	tttgccacct	60
tcgtgacttt	atgcaatgca	tcatgctatt	tcatacctaa	tgagggagtt	ccaggagatt	120
caaccaggaa	atgcatggat	ctcaaaggaa	acaaacaccc	aataaactcg	gagtggcaga	180
ctgacaactg	tgagacatgc	acttgctacg	aaacagaaat	ttcatgttgc	acccttgttt	240
ctacacctgt	gggttatgac	aaagacaact	gccaaagaat	cttcaagaag	gaggactgca	300
agtatatcgt	gggtggagaag	aaggacccaa	aaaagacctg	ttctgtcagt	gaatggataa	360
tctaattgtg	ttctagtagg	cacagggtc	ccaggccagg	ac		402

1128 1129 1130 1131

```
<210> 1136
<211> 377
<212> DNA
<213> Homo sapien
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```

<400> 1136
cctgccgtcg atgccagggg gcccgacagg accttctttt ccagcggggc cgatatttcc      60
aggggaacca ggaagacctc tgggtcccat gagaccaggc tcccagggc gaccagcatc      120
tccattaggt cctcggactc cagcagggcc acttgacca cgactaccag gagggcccat      180
gacgccagct ctgccatcag ctccaggaag accacgagaa ccaggactac ctctcagccc      240
aggaggtcct ggagggccgg cagatccagc ttccccatta gggcctctct ttccttcttc      300
accactggga ccaggaggac cttggggccc agcagagccg ggctcaccct tgttaccgct      360
ctctcctttg gagccag                                     377

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<210> 1137
<211> 250
<212> DNA
<213> Homo sapien

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<400> 1137
ctgttcaact tccaactcta aataggcacc attaaacaaa aaaccccagt attttaaatt      60
tctccagcac acattccagg atcaatgctc tgaactgtaa tcagctagta attcataacg      120
ggaatacagc cttagaatgg aagctatatt gcttccttgc cccctttctc ttacaattgg      180
agagtgtagg tattaaggga tacaaagtca gaggaagaat aattaaaaag aaaaatgccc      240
aaagctgcag                                     250

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```

<210> 1138
<211> 511
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(511)
<223> n = A,T,C or G

```

```

<400> 1138
tcgaccaggt cctcctgggc catctgggtcc ccgaggtcag cctgggtgtca tgggcttccc      60
cggtcctaaa ggaaatgatg gtgctcctgg taagaatgga gaacgaggtg gccctggagg      120
acctggccct cagggtcctc ctggaaagaa tggtgaaact ggacctcagg gacccccagg      180
gcctactggg cctgggtggtg acaaaggaga cacaggaccc cctgggtccac aaggattaca      240
aggcttgccct ggtacagggtg gtcctccagg agaaaatgga aaacctgggg aaccagggtcc      300
aaaggggtgat gccgggtgcac ctggagctcc aggaggcaag ggtgatgctg gtgcccctgg      360
tgaacgtgga cctcctggat tggcaggggc cccaggactt agaggtggag ctgggtcccc      420
tgggtccgaa ngaggaaagg gtgctgctgg tccctcctgg ccacctgggt ctgctggtac      480
tcttggtctg caaggaatgc ctggagaaaag a                                     511

```

```

<210> 1139
<211> 505
<212> DNA
<213> Homo sapien

```

```

<400> 1139
ctgtggactc cagcatgttt ctgataatta tgcaagcaac aattctgtag cctcaagtaa      60
gaccacctgt gaacttgatc attatctggc ccaaatatga agataaacta taactttgga      120
gtttgtttcc tatttgattt cacattctgc ttcctaaatc agttttctaa attgtgcctg      180
caattaggca ttggtcaggg gtgaatggct cttttcacag agagtagcca accagagacc      240
tttgctttga tatcatcaac tgcagagaat gctgttgatg ggaatgctgg aagcagaaac      300

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tttgtcatcg	gaaaaacttt	ttttgtatgc	atgagactca	acatcaggat	ccacagctta	360
aagatgggaa	ttcaggtatg	aaagaaaaca	ggcaaggagg	cactgagggg	gaaagacaca	420
gactttatcg	ctctgtggct	cattgtttact	ggaatattct	aaaactcttg	ttcacatgct	480
attatgactt	ataaagcagc	aacag				505

<210> 1140
 <211> 256
 <212> DNA
 <213> Homo sapien

<400> 1140						
ctgtagcttc	tgtgggactt	ccactgctcg	ggcgtcaggc	tcaggtagct	gctggccgcg	60
tacttgttgt	tgtctgtttt	ggaggggtttg	gtgggtctcca	ctccgcctt	gacggggctg	120
ccatctgcct	tccaggccac	tgtcacagct	cccgggtaga	agtcactgat	cagacacact	180
agtgtggcct	tgttggttg	gagctcctca	gaggagggcg	ggaacagagt	gacagtgggg	240
ttggccttgg	gctgac					256

<210> 1141
 <211> 371
 <212> DNA
 <213> Homo sapien

<400> 1141						
ccagggcccc	attctgtctg	tgggactgtg	ggttctcagt	ggaattgttg	cctttcttgt	60
cgtggagaaa	tttgtgagac	atgtgaaagg	aggacatggt	cacagtcatg	gacatggaca	120
cgctcacagt	catgcacgtg	gaagtcatgg	acatggaaga	caagagcggt	ctaccaagga	180
gaagcagagc	tcagaygaag	aagaaaagga	aacaagaggg	gttcagaaga	ggcgaggagg	240
gagcacagta	cccaaagatg	ggccagtgag	acctcagaac	gctgaagaag	aaaaaagagg	300
cttagacctg	cgtgtgtcgg	ggtacctgaa	tctggctgct	gacttggcac	acaacttcac	360
tgatgggtctg	g					371

<210> 1142
 <211> 312
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (312)
 <223> n = A,T,C or G

<400> 1142						
cctccacac	tgtcaaagt	caactccacc	agcactgaga	caatgagtag	atgagaatgt	60
agaaagaggg	aaggtggtg	gtaaaggagc	ggaaggaaga	ggtggggaaa	gagggaggt	120
ggtaggtaaa	ggagcggaag	gaagaggtgg	ggaaagaggg	aaggagagaa	gggaaggagg	180
gaagagaaa	aaggaagaaa	aggaaagcat	ggcccggtc	gagacaaaagc	cagaggtgat	240
caggtcagca	gcaggagagg	ctcagaaggg	agcctctcgg	gaagtgcagg	cngccatgag	300
ggctcgtttc	ag					312

<210> 1143
 <211> 367
 <212> DNA
 <213> Homo sapien

<400> 1143
 ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60
 cttgaggtca ggagttcgag accagcctcg ccaacatggt gaaaccccat ttctactaaa 120
 atacaaaaaa ttagccaagt gtggtggcat atgcctgtaa tcccaactac tcagaaggcc 180
 gaggcaggag aattacttga acgcaggaga atcactgcag cccaggaggc agaggttgca 240
 gtgagccgag attgcaccac tgcactccag cctgggtgac tgagcaagac tccatctcag 300
 taaataaata aataaataaa aagcgctgca gtagctgtgg cctcaccctg aagtcagcgg 360
 gcccgagg 367

<210> 1144
 <211> 159
 <212> DNA
 <213> Homo sapien

<400> 1144
 cctggaggag cggccgcaca cacagccagg cgctaggctc cctgcggggac ctcgggaagg 60
 gggaagagcg tcaacgattt acggagggtc cagccgctgg gtcagattga gacaaacat 120
 tgtgtgggtg ggttcgggtc agcaggctgg agagggttc 159

<210> 1145
 <211> 450
 <212> DNA
 <213> Homo sapien

<400> 1145
 ccatgggtgt ctggagcacc ctgaaactgt atcaaagttg tacatatttc caaacatttt 60
 taaaatgaaa aggcaactct gtgttctcct cactctgtgc actttgctgt tgggtgtgaca 120
 aggcatttaa agatgtttct ggcattttct ttttatttgt aagggtggtg taactatggt 180
 tattggctag aaatcctgag ttttcaactg tatatatcta tagtttgtaa aaagaacaaa 240
 acaaccgaga caaacccttg atgctccttg ctgggcgttg aggctgtggg gaagatgcct 300
 tttgggagag gctgtagctc agggcggtgca ctgtgaggct ggacctgttg actctgcagg 360
 gggcatccat ttagcttcag gttgtcttgt ttctgtatat agtgacatag cattctgctg 420
 ccatcttagc tgtggacaaa ggggggtcag 450

<210> 1146
 <211> 324
 <212> DNA
 <213> Homo sapien

<400> 1146
 ccatacaggg ctggtgcccc ggccttagag gtcattcctc gtaccctgat ccagaactgt 60
 ggggccagca ccatccgtct acttacctcc ctccgggcca agcacacca ggagaactgt 120
 gagacctggg gtgtaaatgg tgagacgggt actttggtgg acatgaagga actgggcata 180
 tgggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240
 ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccgg 300
 caaggcgggg ctctgatgac tgga 324

<210> 1147
 <211> 191
 <212> DNA
 <213> Homo sapien

<400> 1147
 ccacgaaaat caatgagaag ccacaggtga tcgcggacta tgagagcggg cgggccatac 60

ccaataacca ggtgcttggc aaaatcgagc gggccattgg cctcaagctc cggggaaagg	120
acattggaaa gcccatcgag aaggggccta gggcgaaatg aacacaaagc ctcgaaatca	180
gtgtgctcca g	191

<210> 1148
 <211> 344
 <212> DNA
 <213> Homo sapien

<400> 1148	
ctgtccaatg acaacaggac cctcactcta ctgagtgtca caaggaatga tgtaggacct	60
tatgagtgtg gaatccagaa cgaattaagt gttgaccaca gcgacctagt catcctgaat	120
gtcctctatg gccagacga cccaccatt tccccctcat acacctatta ccgtccaggg	180
gtgaacctca gcctctcctg ccatgcagcc tctaaccacac ctgcacagta ttcttggtg	240
attgatggga acatccagca acacacacaa gagctcttta tctccaacat cactgagaag	300
aacagcggac tctatacctg ccaggccaat aactcagcca gtgg	344

<210> 1149
 <211> 329
 <212> DNA
 <213> Homo sapien

<400> 1149	
ctgacctact cactgggcgg gggcacaggc tctggaatgg gcactctcct tatcagcaag	60
atccgagaag aataccctga tcgcatcatg aataccttca gtgtggtgcc ttcacccaaa	120
gtgtctgaca ccgtggtcga gccctacaat gccacctctt ccgtccatca gttggtagag	180
aatactgatg agacctattg cattgacaac gaggccctct atgatatctg cttccgact	240
ctgaagctga ccacaccaac ctacggggat ctgaaccacc ttgtctcagc caccatgagt	300
ggtgtcacca cctgcctccg tttccctgg	329

<210> 1150
 <211> 406
 <212> DNA
 <213> Homo sapien

<400> 1150	
ccagttatgt gcaagtggta agagcctatt taccataaat aatactaaga accaactcaa	60
gtcaaacctt aatgccattg ttattgtgaa ttaggattaa gtagtaattt tcagaattca	120
cattaacttg attttaaaat cagttttgtg agtcatttac cacaagctaa atgtgtacac	180
tatgataaaa acaaccattg tattcctggt tttctaaaca gtcctaattt ctaacactgt	240
atatatcctt cgacatcaat gaactttggt ttcttttact ccagtaataa agtaggcaca	300
gatctgtcca caacaaactt gccctctcat gccttgccct tcacctgct ctgctccagg	360
tcagccccct tttggcctgt ttgttttgtc aaaaacctaa tctgct	406

<210> 1151
 <211> 346
 <212> DNA
 <213> Homo sapien

<400> 1151	
ctgcgtgagt accaggagct gatgaacgtc aagctggccc tggacatcga gatcgccacc	60
tacaggaagc tgctggaggg cgaggagagc cggctggagt ctgggatgca gaacatgagt	120
attcatacga agaccaccag cggctatgca ggtggtctga gctcggccta tgggggcctc	180
acaagccccg gcctcagcta cagcctgggc tccagctttg gctctggcgc gggctccagg	240

300
346

<400>	1152						
ctggactgct	gtacatcaag	gacagattaa	ctggaaaaca	tatgttcctt	atgcgtgac		60
gagagccatt	cagaaaagac	ttcctttgtg	ttcagcctat	acttttccat	atggtatacc		120
ttgaaaaaaaa	ttagcacacc	atgggttattt	ttctaccttt	tataaaagac	agagcctggt		180
tactcattta	gaagatagag	aaaattggtc	taaaattgaa	catcctagat	tcacactccc		240
aagtcactta	aggtgatttg	atgggtgagga	aaatgattga	cagagcccaa	caatgatctc		300
aggaattaca	ttttccaaca	gaccaaaaaa	tgttttcatg	tagcagcaat	gcagatttgg		360
tgaattattta	atatatatatt	tagtatgtat	ttcactttat	gactgacaat	taaaaaatat		420
tqtttgg							427

[illegible][illegible][illegible]

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ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca 240
gatgcagcct ctgtgaacag gtgcctggag gctgggaaat gaccctgaga gggcaggaca 300
cagcaaccgt gggcttaagg tgaccttgag agcaagcttg gccacttta caattctgtt 360
cagagccagc ccctaacatg gtggtcattt attcatttgt tccctcattt taaaaaatgt 420
aaggccaggc atggtggctc acgccgggta atcccagcac tttgggaggc cgaggcaggc 480
agatcacctg a 491

```

<210> 1156

<211> 586

<212> DNA

<213> Homo sapien

<400> 1156

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agcaaataga agcaatcagg gcactgcaag ttgtgactac tccaagatgt gaatcatgga 60
tcatgcaaat tacaatcatg ttttaacctg acctccaaag ggagaataaa gtaaaaatta 120
tcccattgta ggattattca ccagtttata tgtcattagt taccagtttt tctttatgaa 180
taatgttttag caatattata aagtatatct aatagttatc aggttttttg cttgttactt 240
tttggtagta acttataaaa ctgactggaa aagaccaata aggcactgtt tgcattgttac 300
aaattatatt caaagaccaa aagctgttaa taagaaatct tccaataaaa ccacatcata 360
ttttcttttt tatttacacc cacatcagga ttacaacttt atcaggactg caccttgatc 420
aggaagggat gtttctctta caaggctaata aagaaaggaa caataaattt gctgatgaaa 480
aaagtcattg atttaaaaat tttaacttta atttttaatt gagggcaata ttttaaagaa 540
atgctcatta gtcattcctt taaattgtgt gtgtgagaga gagaaa 586

```

<210> 1157

<211> 392

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (392)

<223> n = A,T,C or G

<400> 1157

```

cctccggctg gtgttctgag ggttgccagg ccatcgtaga cacaggcacc tctctgctca 60
ctgtgccccg gcagtacatg agtgctcttc tgcaggccac aggggcccag gaggatgagt 120
atggacagtt tctcgtgaac tgtaacagca ttcagaatct gccagcttg acctcatca 180
tcaatggtgt ggagttccct ctgccacctt cctcctatat cctcagtaac aacggctact 240
gcaccgtggg agtcgagccc acctacctgt cctccagaa cggccagccc ctgtggatcc 300
tcgggggatgt ctctctcagg tctactatt cctctacga cttgggcaac aacagagtag 360
gctttgccac tgnccgctag acttgctgnc tc 392

```

<210> 1158

<211> 375

<212> DNA

<213> Homo sapien

<400> 1158

```

gggaaaaata attttattcc tcaaatgacg agcacattca gaagcaggac agaggagctc 60
tgatgacatc tctggggggg tcaaagcggc cctcattttc tggatatttc ccagggtgatt 120
ctcttccaac ctgtgagtcg tgctctcttt cctcccatct gaagtttgag acatcctctg 180
ccacaaggaa agccaccaat accagcccaa agagccacca gagaggaacc aaaccacatg 240
catcaagtta taggaaggat gcaagaaggg aaattaggaa ggaaaggag gagtttagtt 300

```

ggcattctgg ggcattgctaa catgagggcg atgggtctctc tccaagtcgc tggacatatc 360
ccttttcttt ccagg 375

<210> 1159
<211> 361
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (361)
<223> n = A,T,C or G

<400> 1159
gtttattgta aaaaacaaaa aactctgtat tgtgcacatg aagacctgga gatgtgccga 60
cttcctgtcc ccaaagccaa tcttccccgc caaggcgact gaggatttca agggctcaga 120
gttactgcag gaatccaggt gacaccagga agagaagggg gaggagggga atcggagggg 180
atgggttttaa aaggcagagg ggagggagat ggaagggaat gaggaggagg gagactgagg 240
gggctgcctt tccttgggga ctggggaact catgccctgc cccacccgc agggctccag 300
gggtgagaga aaggggtgga gaataaagaa ttgggcanca gggatgatggg gggaacagca 360
g 361

<210> 1160
<211> 142
<212> DNA
<213> Homo sapien

<400> 1160
cgcaatgttg ccagtgtctg tctgcagggt ggctacccaa ctgttgcatc agtaccat 60
tctatcatca acgggtacaa acgagtcctg gccttgctctg tggagacgga ttacaccttc 120
ccacttgctg aaaagggtcaa gg 142

<210> 1161
<211> 193
<212> DNA
<213> Homo sapien

<400> 1161
ccaaagccta cgaccacctc ttcaagttgc tgctgatcgg ggactcgggg gtgggcaaga 60
cttgtctgat cattcgcttt gcagaggaca acttcaacaa cacttacatc tccaccatcg 120
gaattgattt caagatccgc actgtggata tagaggggaa gaagatcaaa ctacaagtct 180
gggacacggc tgg 193

<210> 1162
<211> 265
<212> DNA
<213> Homo sapien

<400> 1162
cctgggtgcc acgattccca gcctggagcg cagccaggac gtgggagacc ttctcagaga 60
ctctccgggc aactctatg agctccttct tgggtgtaggc atcactgggg ctgcactgca 120
gggcgcctgc cttggtgacc agagcggcac agccatggcc cagctcctgt acccggtgtt 180
tgatatggga acctatctct tcatcttcag cagccaccgc tgcaggcttg gcctccgagg 240
ccagacggcc atagtcactg gtcag 265

<210> 1163
 <211> 337
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(337)
 <223> n = A,T,C or G

<400> 1163
 ctgcagagtg ggganaggct tttgccacta gaaacttcca ggatgcacga gatcaaggaa 60
 ttaagtctgt aacaaaaataa caggatgctc tgtgaagtcc aaagaattgc ttgaggcaaa 120
 ctgcagagct ccatgagatc agcaacccca agagctttta caccgccgga caccggttaa 180
 taggaaaaaa atctcctata ctgnntattc anaaccaaat gaanagaaat gtcaaaggag 240
 tcggaaacaa tatgtcaaat tangtaaatt cctgacctga cccanatttt gcngaacatt 300
 tgatcctaaa ctgtgctgtc cacgtcctta ggatcac 337

<210> 1164
 <211> 368
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(368)
 <223> n = A,T,C or G

<400> 1164
 ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60
 cttgaggtca ggagttcgag accagcctcg ccaacatggt gaaaccccat ttctactaaa 120
 aatacaaaaa attagccaag tgtggtggca tatgcctgta atcccaacta ctcagaaggc 180
 cgaggcagga gaattacttg aacgcaggag aatcactgca ncccangagg canagggttg 240
 antgagccga gattgcacca ctgcactcca gcctgggtga cagagcaaga ctccatctca 300
 gtaaataaat aaataaataa aaagcgctgc agtagctgtg gcctcacctt gaagtcagcg 360
 ggcccagg 368

<210> 1165
 <211> 267
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(267)
 <223> n = A,T,C or G

<400> 1165
 ctgggaagga ggctcctccg ctttctcttg tttgtcatcc tctcatcag actcgacctc 60
 catctcaact tctcactct ccccaaactt ttcatagcgc tctgaatga ggattcgggc 120
 cccagctcc tctggcgtgg tggggggagg gaagtccct tgetcattgg gttggaagnc 180
 cactgtttcc accaccacaa aatcatgcc ntcnatctga gcataggcca cccgntcctt 240
 ctcttctcc nntttctct tcttctt 267

<210> 1166
 <211> 433
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(433)
 <223> n = A,T,C or G

<400> 1166
 ctgtctgtac acttttttctt gggggaagag ttcttgtctt cagtttactg cagtaggggt 60
 cctggctctg ttacatgctc atgtgttccg gaagaacaca tgaaatatca tcccacggat 120
 gacgatacag cccctgcttc ancctcttct gatcaagata gtgtccaatg aaccccatatc 180
 tccttcccag cacaagatg ccattgaggg ctccaatgtc aatatattca tcagcttcct 240
 ccctgcaaca cacatcaact tgtagtttta aaaggctcac gtgactgccc tcctccccac 300
 agacagtact actactgccc aanaatgaga agaaaagggg tgctctgggt ggtngcatta 360
 caggcaattt ttgttntctt nnttatacct ctccttattt tncaaatntt ctattatgag 420
 tntgcattac ttt 433

<210> 1167
 <211> 362
 <212> DNA
 <213> Homo sapien

<400> 1167
 cctctggctc tttcttcagc cacttctcca gctcctgcag gttctggtct gagtagtcag 60
 tgacgacgat ctccttaaag gattcacaaag cagagaggag ctgatagata gtggggccag 120
 agccgatgtc aatcagcagg tctcccttca caccgtctag gcagaatatc ttgaaaagat 180
 ttttcagaag gtgcttaaga atctggcttt ctgcagagtg cctagaacca aacttgtaat 240
 atttttctag gtaatcccga gggttaaaat ggcttagata ggtgtccttg gaggtgaagc 300
 ctgattccat tatgtctcac ttccgtacca ctggagcact gccctccttc tctttcctcc 360
 ag 362

<210> 1168
 <211> 459
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(459)
 <223> n = A,T,C or G

<400> 1168
 gcagtcattg gggccaggac catgccactg gccctgctcc cccagccgca gcctcacctg 60
 caggtgctcc tcgatgtcct tgcggtcgta ggtgatgcca ctgggctgta tgcacggctc 120
 ccgcatcagc tcaaagctga tcttgccaca caggtagtcg gggatgtctc gcttctgtgg 180
 cacaggggca cacggctcaga ggctgaaaag gggcactgca cgagcacctg ccagccatcg 240
 gcagcaagcg acacacactc accttcctct tctcatccac ctgagaaaaa agctcgtcca 300
 tgtccgccat gtacttgtcc tgtgaagagt tgagtgtgtg gcttggggga gacacccac 360
 ctccctcctn catggggcac anacccaaca caaggcgggg atgctnccac gccacgtgca 420
 cacacacaga cccacatgtg ggtggggggc accctcacg 459

<210> 1169
 <211> 386
 <212> DNA
 <213> Homo sapien

<400> 1169							
ccaggccacc	tgtgcggggc	tcctcgatgt	ggaaggttcg	ggtgaggaga	ttgtagaagg		60
agccgtagca	cacggccacc	acagtgcacg	tgaggcagat	cacgctgtag	ggcatgctga		120
agtccggtgt	cggcaggttc	accagcagcg	gctccgtgta	gagccgcaca	aagtagttag		180
agccatcaga	gactgggaac	aggctgttga	agaggggact	ctcttcccag	tccactggct		240
tggtctgtac	catgctgggc	acaagggcgc	tgaggacaga	tgggctgaca	tagaagccat		300
ggtttaggatc	tggcgtgtac	tcggtccact	tcagcagcgc	ccgctcaaac	tggtatggaaa		360
ccttggtgac	tgagttggcc	ggccag					386

<210> 1170
 <211> 480
 <212> DNA
 <213> Homo sapien

<400> 1170							
ctattttctct	gttagtggtt	aaccaaccat	ctgttctaaa	agaagggctg	aactgatgga		60
aggaatgctg	ttagcctgag	actcaggaag	acaacttctg	cagggtcact	ccctggcttc		120
tggaggaaag	agaaggaggg	cagtgcctca	gtggtacaga	agtgagacat	aatggaatca		180
ggcttcacct	ccaaggacac	ctatctaagc	cattttaacc	ctcgggatta	cctagaaaaa		240
tattacaagt	ttggttctag	gcactctgca	gaaagccaga	ttcttaagca	ccttctgaaa		300
aatcttttca	agatattctg	cctagacggg	gtgaaggag	acctgctgat	tgacatcggc		360
tctggcccca	ctatctatca	gctcctctct	gcttgatgaat	cctttaagga	gatcgctcgtc		420
actgactact	caggaccaga	acctgcagga	gctggagaag	tggctgaaga	aagagccaga		480

<210> 1171
 <211> 317
 <212> DNA
 <213> Homo sapien

<400> 1171							
cctcagcagc	cctgccacgg	atctgcccga	ttctttcgca	tcaagaagtt	gatcttgcca		60
gccattttcca	tggtgtagat	ccgccggcac	ctttcatagc	tttccctctg	tcgccggcgg		120
catggcttct	cataataccg	ccgatgctta	atgtcctcaa	tgagcccatc	catagtgagg		180
attctgttta	gggtcctgta	tgcgctttcc	acgttccctt	cctgtaccat	cacagtcctg		240
gcgatgaact	tcagatgttt	tgccatgacc	ttggatttaa	accttcactc	tgtagagcct		300
cgcgcgctca	gtaccta						317

<210> 1172
 <211> 202
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(202)
 <223> n = A,T,C or G

<400> 1172

ggcaacggga	ggaacagcag	cagaggcagc	angagcagga	ggagcgtgaa	cgagaagagc	60
ancggcgatn	ngctgcnctc	agtgaccgan	agaagagagc	tctggctgca	nagcgccgac	120
tcgctgcccc	gttgggagcc	cctacctctc	caatccctga	ctctgcaatc	gtcaatactc	180
gacgctgctg	gagttgtggg	gc				202

<210> 1173

<211> 173

<212> DNA

<213> Homo sapien

<400> 1173						60
ctgcctgggt	tgtggccgcc	ctagcatcct	gtatgccac	agctactgga	atccccgctg	120
ctgctccagg	ccaagcttct	ggttgattaa	tgaggcatg	gggtgggtccc	tcaagacctt	173
ccctacctt	tttggaacc	agtgatgcct	caaagacagt	gtcccctcca	cag	

<210> 1174

<211> 301

<212> DNA

<213> Homo sapien

<400> 1174						60
ccaagagcta	caatgggcag	cgcacagac	agaacgtgca	ggtttttgag	ttccagttga	120
ctgctggagga	catgaaagcc	atagatggcc	tagacagaaa	tctccactat	tttaacagtg	180
atagttttgc	tagccaccct	aattatccat	attcagatga	atattaacat	ggagagcttt	240
gcctgatgtc	taccagaagc	cctgtgtgtg	gatggtgacg	cagaggacgt	ctctatgccg	300
gtgactggac	atatcacctc	tacttaaadc	cgtcctgttt	agcgacttca	gtcaactaca	301
g						

<210> 1175

<211> 537

<212> DNA

<213> Homo sapien

<400> 1175						60
cctgcagggc	tgggccgtag	gagaaggcca	gggcccaggg	cttcagcagg	gggcacttgt	120
taatggcatt	gaggttgatg	gacgcctcct	cctcactctg	gcctccagac	aggaaggatga	180
tcccagtgac	agcggggggc	actgtgcggc	gcagcgtgtg	gacggctgcc	atggcaatct	240
cctcatgaga	aaactttctga	gtgcaagcat	ggcctggggg	gacctgttg	ggcttcagca	300
aggtgccttc	caggtagatg	tggtgggtcac	tcagagcctt	gtagacagca	gccagcacct	360
tctcggtcac	atactggcag	cgcttcaagt	catggtcccc	atcagggagg	atctcaggct	420
ccacgatggg	cacaatgcca	ttctgctggc	agatactggc	ataacggggc	agaacattgg	480
cattttccat	gatggcgagg	gctgaggggg	tgtgttcccc	aatcttcagc	acacaacgcc	537
acttggcgaa	gtcagctccg	tccttcttgt	actgggcaca	gcgctcagac	agcccat	

<210> 1176

<211> 384

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(384)

<223> n = A,T,C or G

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<400> 1176
ctgacaaaaa atgtgaaatt tccacaaaat atccaactta tgtgactaaa cgcagtagtt      60
tttttaaaag gggagataga aaataaatgg ttttgttgga gtgcatttta gtaagccttt      120
gcagtaaaat gacggttgta actactaaac caaathtagt tttcacagca tggttttgtt      180
gttttcccct tgtttttcag aggtaaaattt tgcattatat ccttcagtat tttaacacta      240
ttttggcagt ttacacatta ctttttgntt ttccttcctt tttgngaaat gtattaagtt      300
gtggttctta ttgaaacagt attatataat gttngcttaa ttatatcatg tgatgctcan      360
ntctattntg atttattcat tagt                                     384

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<210> 1177
<211> 562
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(562)
<223> n = A,T,C or G

```

```

<400> 1177
ccaacaacat gcaggaagct cagagtatcg atgaaatcta caaatacgac aagaaacagc      60
agcaagaaat cctggcgggc aagccctggg ctaaggatca ccattacttt aagtactgca      120
aaatctcagc attggctctg ctgaagatgg tgatgcatgc cagatcggga ggcaacttgg      180
aagtgatggg tctgatgcta ggaaaggtgg atggtgaaac catgatcatt atggacagtt      240
ttgctttgcc tgtggagggc actgaaaccc gagtaaagtc tcaggctgct gcatatgaat      300
acatggctgc atacatagaa aatgcaaaac aggttggccg ccttgaaaat gcaatcgggt      360
ggtatcatag ccaccctggc tatggctgct ggctttctgg gattgatgtt agtactcaga      420
tgctcaatca gcagttccag gaaccatttg tagcagtggg gattgatcca acaagaacaa      480
tatccgcagg gnaaagtgaa tcttggcgcc tttaggacat acccaaaggg ctacaaacct      540
nctgatgaan gaccttctga gt                                     562

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```

<210> 1178
<211> 353
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(353)
<223> n = A,T,C or G

```

```

<400> 1178
cgcgtctgga tggccgaatc attcgcacag actgggacgc aggctttaag gagggcaggc      60
aatacggccg tgggcgatct gggggccagg ttcgggatga gtatcggcag gactacnatg      120
ctgggagagg aggctatgga aaactggcac agaaccagtg agtgggtgaga gctctgtcag      180
tgacaaacac tcctttggcc tgttgaattt gctgaagaac atcacctaaa gtctgcacac      240
gagcccatth ttaccaagat ttgatcagtg tctttactga gctggaagcc tctgaaagtt      300
attaaaggac agaatccaaa agaatgcctt taattcttgt ctgagaatct tgg                                     353

```

```

<210> 1179
<211> 288
<212> DNA
<213> Homo sapien

```

1176
 1177
 1178
 1179
 1180
 1181
 1182
 1183
 1184
 1185
 1186
 1187
 1188
 1189
 1190
 1191
 1192
 1193
 1194
 1195
 1196
 1197
 1198
 1199
 1200

<400> 1179
 ccaatgggat cctcaagggtg cctgccatca atgtcaatga ctccgtcacc aagagcaagt 60
 ttgacaacct ctatggctgc cgggagtccc tcatagatgg catcaagcgg gccacagatg 120
 tgatgattgc cggcaaggta gcggtggtag caggctatgg tgatgtgggc aagggtgtg 180
 cccaggccct gcggggtttc ggagcccgcg tcatcatcac cgaggttgac cccatcaacg 240
 cactgcaggc tgccatggag ggctatgagg tgaccacat ggatgagg 288

<210> 1180
 <211> 523
 <212> DNA
 <213> Homo sapien

<400> 1180
 ctggagagat ggagcgggtg gcaccgtcat ccttcctcat cagccacata gaaggacagt 60
 ggcgatttca gccagcttt tctgactgct tgtaaattga agcccagaac tggtttgcca 120
 cctgtgggat cgactcagca ttttaaaata ggaggcagtc gtgagtgcag gtttcttgca 180
 gctccgggtg gccctgggct ccaggtcagg agacctcagc tcctgtccct gatctgtggt 240
 tgtcaagcct tgcagactct aaactcagca tctttatctg tcagacgtag acacgtggct 300
 cccgtggttg gtgcggttg aatagctgag gtaatacacg gacctccaag cactagagca 360
 gtatgaggag ttctgaggaa tggttatcct gcggtgcctg tgggccacag caagccattc 420
 ttatcccatc cggtttactt cccacagcca ctttgtaagc ataggcatta tcctctaccc 480
 catcatagaa atgaggaaaa gaatcaccaa gagagtaagc agc 523

<210> 1181
 <211> 493
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(493)
 <223> n = A,T,C or G

<400> 1181
 cacagatgaa ggctttgtga tacctgatga agggggccca caggaggagc aagaagagta 60
 ttaacagcct ggaccagcag agtaacatcg gaattcttca ctccaaatca tgtgcttaac 120
 tgtaaaatac tcccttttgt tatccttaga ggactcactg gtttcttttc ataagcaaaa 180
 agtacctctt cttaaagtgc actttgcgga cgtttcactc cttttccaat aagtttgagt 240
 taggagcttt taccttgtag cagagcagta ttaacaccta gttggttcac ctggaaaaca 300
 gagaggctga ccgtggggct caccatgcgg atgcgggtca cactgaatgc tggagagatg 360
 ttatgtaata tgctgagggt gcgacctcag tggagaaatg taaagactga attgaatttt 420
 aagctaattg gaaatcanag aatgttgtaa taagtaaagt ccttaagagt atttaaaana 480
 tgcttcacaa ttt 493

<210> 1182
 <211> 329
 <212> DNA
 <213> Homo sapien

<400> 1182
 cgcgtctctg acactgtgat catgataggg gttcaaacag aaagtgcctg ggccctcctt 60
 ctaagtcttg ttaccaaaaa aaggaaaaag aaaagatctt ctgagttaca aattctggga 120
 agggagacta tacctggctc ttgccctaag tgagaggctt tccctcccgc accaaaaaat 180
 agaaaggctt tctatttcac tggcccaggg agggggaagg agagtaactt tgagtctgtg 240

```
<210> 1183
<211> 198
<212> DNA
<213> Homo sapien
```

```
<210> 1184
<211> 224
<212> DNA
<213> Homo sapien
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```
<210> 1185
<211> 367
<212> DNA
<213> Homo sapien
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```
<210> 1186
<211> 188
<212> DNA
<213> Homo sapien
```

```
<210> 1187
<211> 379
<212> DNA
<213> Homo sapien
```

<400> 1187
gttgatgcta ctctgaagtc tctcaacaac cagattgaga ccttctttac tcctgaaggc 60
tctagaaaaga gccagctcg cacatgccgt gacttgagac tcagccaccc agagtggagc 120
agtgggttact actggattga ccctaacca ggatgcacta tggatgctat caaagtatac 180
tgtgatttct ctactggcga aacctgtatc cgggcccaac ctgaaaacat cccagccaag 240
aactgggtata ggagctccaa ggacaagaaa cacgtctggc taggagaaac tatcaatgct 300
ggcagccagt ttgaatataa tgtagaagga gtgacttcca aggaaatggc tacccaactt 360
gccttcatgc gcctgctgg 379

<210> 1188

<211> 384

<212> DNA

<213> Homo sapien

<400> 1188
cgcgtcggac tgcagccagt ccgtttcctt tctttagcca gccatcctgg tactgtagtt 60
taggggttga tgggtggtga aattgatttc tggctgggta ctaagggtgcc tgctagccat 120
tgtataaaat taaaacatga agaataatctt ttttttgagc atggctagtg gatttaaaac 180
aacacatacc tgtcactgct ggagtcaaac ttataaaaag ccttaagtgg aaagtgttcc 240
agacggagac tctgagttaa tagaggagta gaagctgggtg ttaaagtctc cacgacgcac 300
atggctttgc cagaaactct gtttaatgat oggcctttca cctcttcact tatccttagt 360
cccagtagcc aggatacctg atgg 384

<210> 1189

<211> 419

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(419)

<223> n = A,T,C or G

<400> 1189
ggaaaaacca gccactgctt tacaggacag ggggttgaag ctgagccccg cctcacaccc 60
acccccatgc actcaaagat tggattttac agctacttgc aattcaaaat tcagaagaat 120
aaaaaatggg aacatacaga actctaaaag atagacatca gaaattgttg agttaagctt 180
tttcaaaaaa tcagcaattc cccagcgtag tcaagggtgg aactgcacg ctctggcatg 240
atgggatggc gaccgggcaa gctttcttcc tcgagatgct ctgctgcttg agagctattg 300
ctttgttaag atataaaaag gggtttcttt ttgtctttct gtaaggtnna cttccagctt 360
ttgattgaaa gtcctagggt gattctatct ctgctgtgat ttatctgctg aaagctcag 419

<210> 1190

<211> 173

<212> DNA

<213> Homo sapien

<400> 1190

ccaggtactg gcacatcatg ctctggatgg ggggtgggtg gtctctgtagg cagagaaaca 60
ggaaattgtc gtagtcagta tcgagcagcg tggcctcggt cgccaccgta tagttgatct 120
tgaacttctt tggattctca gtcttctctc caaggacctt cttctcaaca cag 173

<210> 1191

<211> 341
 <212> DNA
 <213> Homo sapien

<400> 1191
 cctcctgcc a gca gttcttg aagcttcttt ttcattcctg ctactctacc tgtattttctc 60
 agttgcagca ctgagtggc aaaatacatt tctggggccac ctcagggaa ccatgcatct 120
 gcctggcatt taggcagcag agccctgac cgtccccac agggctctgc ctcacgtcct 180
 catctcattt ggctgtgtaa agaaatggga aaagggaaaa ggagagagca attgaggcag 240
 ttgaccatat tcagttttat ttatttattt ttaatttggt cttttctcca agtccaccag 300
 tctctgaaat tagaacagta ggcggtatga gataatcagg a 341

<210> 1192
 <211> 324
 <212> DNA
 <213> Homo sapien

<400> 1192
 ttggaggttg gcggcgcggg gctgaaggct agcaaaccga gcgatcatgt cgcacaaaca 60
 aattttactat tcggacaaat acgacgacga ggagtttgag tatcgacatg tcatgctgcc 120
 caaggacata gccaa gctgg tccctaaaac ccatctgatg tctgaatctg aatggaggaa 180
 tcttggcggt cagcagagtc agggatgggt ccattatatg atccatgaac cagaacctca 240
 catcttgctg ttccggcgcc cactacccaa gaaaccaaag aaatgaagct ggcaagctac 300
 ttttcagcct caagctttac acag 324

<210> 1193
 <211> 521
 <212> DNA
 <213> Homo sapien

<400> 1193
 ctgctttgtt ttctgttggc agtggaggga caaggtgaga ggagccaggg gtagtcatga 60
 acaccagtgg gttctgccct gggcagctcc ccaccttctt taagagagta ctgtgtctca 120
 gctccagcag tctcaactgg gaagaccag gactcctgct cttttctcta atccctggga 180
 gacgaggtcc agctaaggta gagtaagcag tcagtgacca ggcaggctgg tttgggaggt 240
 cactgcctgg aggacgggat cttgtattct tcggaagatg gctgggaaat tcttccctcc 300
 attacgtaga actttcttcc cctcctcagt tgaggtgcct agatgtccca caacgggggc 360
 ttcactcagg tcctccagag gcacacgctc aaacagtggt tgctcttcga aatgagtgca 420
 catccagtcg tgtagctcca gcacatcggg tatggtatac accagcccct gcataggcaa 480
 aatcacccta gacaggaggg tgcattgcaac gtcagcagcc a 521

<210> 1194
 <211> 208
 <212> DNA
 <213> Homo sapien

<400> 1194
 ccagtgacta gaaggcgagg cgccgcggga ccatggcggc ggcggcggac gagcggagtc 60
 cagaggacgg agaagacgag ggagaggagg agcagttggt tctggtggaa ttatcaggaa 120
 ttattgattc agacttctc tcaaaatgtg aaaataaatg caaggttttg ggcattgaca 180
 ctgagaggcc cattctgcaa gtggacag 208

<210> 1195
 <211> 499

<212> DNA
<213> Homo sapien

<400> 1195
ccagaaagga aagacaataa ttttgttttt tcattttgaa aaaattaaat gctctctcct 60
aaagattctt cacctacttt ggtctccata acttctatgt tttctttcct tctgacacac 120
tagtgccctt aaattgtgat ttgcctatac gtttagggcc ggggttgga gatgttaaca 180
accatttaag attcatttct gcagtgggag tgggtggagt ttcacctctt gggaaagggg 240
caggtgacag gtatttatca gtcagtgcct ctctagctct tgtaggaaga agcacacgca 300
ggatggagtc tagaggatga gcgatattga cttagcaattc atgggctccc tccagcagtg 360
cgagggtcag agtttctgga gccttgggag gaggcatccc tgtgaggggg ggtagggag 420
atgggagggc accaggaaaa gtgattagaa gtcaggtagt ggaaggctaa attaggacag 480
agtcgagtac atctctgct 499

<210> 1196
<211> 455
<212> DNA
<213> Homo sapien

<400> 1196
ctgaccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
acaagacaac ctgaagctaa atggatgccc cctgcagagt caacagggtcc agcctcacag 120
tgcacgccct gagctacagc ctctcccaaa aggcattctt cccacagcct caacgccgag 180
caaggagcat caagggtttg tctcggttgt tttgttcttt ttacaaacta tagatatata 240
cagttgaaaa ctcaggattt ctageccaata accatagtta ccaccacctt acaaataaaa 300
agaaaatgcc agaaacatct ttaaagtcc tgtcacacca acagcaaagt gcacagagtg 360
aggagaacac gagagtgcct tttcatttta aaaatgtttg gaaatatgta caacttcgat 420
acagtttcag ggtgctccag acacccatgg acctg 455

<210> 1197
<211> 444
<212> DNA
<213> Homo sapien

<400> 1197
cctggatgtg gctcttcgca ctgaaggcca agtagtagat cacaaggccg atcgccgcag 60
ccagcacctc agtggacacc cagggcccgt tccaagtgcc ccgatgggtcc acgctgactg 120
taaacagagg cgggatgatg gaaatgtcct cggtattcct ctgagccttc ctgaggaggc 180
tgtaggactc ctcgtcgaag aatctaacct cataggtgcc tgcgtgggag ctcttggtgt 240
tcaggcttca ggacacctga taacgcccc catcctggcc tcgagtgaca gggaattgtt 300
ttccaccgac gtcagcatag agagccatgt tctggaccct gttcttgcat gtcagggaga 360
tctccacaat gaagacggtc tcagtggaaa tgacagcgtc agaagtgggt tagtaggaag 420
gggtgatctg gggctccagg cagg 444

<210> 1198
<211> 450
<212> DNA
<213> Homo sapien

<400> 1198
ccatgggtgt ctggagcacc ctgaaactgt atcaaagttg tacatatattt caaacatttt 60
taaaatgaaa aggcactctc gtgttctcct cactctgtgc actttgctgt tgggtgtgaca 120
aggcatttaa agatgtttct ggcattttct ttttatttgt aagtggtggt taactatggt 180
tattggctag aaatcctgag ttttcaactg tatatatcta tagtttgtaa aaagaacaaa 240

acaaccgaga	caaacccttg	atgctccttg	ctcggcgttg	aggctgtggg	gaagatgcct	300
tttgggagag	gctgtagctc	agggcgtagc	ctgtgaggct	ggacctgttg	actccgcagg	360
gggcatccat	ttagcttcag	gttgtcttgt	ttctgtatat	agtgacatag	cattctgctg	420
ccatcttagc	tgtggacaaa	gggggggtcag				450

<210> 1199

<211> 294

<212> DNA

<213> Homo sapien

<400> 1199

agtcacagtt	gcacctattc	aaaactagct	ttaaagttag	ctatttttaa	acttcataaa	60
aatattcatg	atatttattag	tttgaatatt	tctacaagat	tcgggtgggc	ttttccttta	120
ggtgaaaaca	gctatccact	cctgtggcct	tataactcag	gaaatgctgg	ggatgcaaac	180
gtgcaaaagg	caggggggaag	ctgcccaggc	tgagactgga	gcagctagga	gtgtgcttgg	240
ggaacgggag	ctgagatccc	ggagcagaaa	tggtcagccg	tgctctggag	cagg	294

<210> 1200

<211> 258

<212> DNA

<213> Homo sapien

<400> 1200

agctacctaa	gaacagctaa	aagagcacac	ccgtctatgt	agcaaaatag	tggaagatt	60
tataggtaga	ggcgacaaac	ctaccgagcc	tggtgatagc	tggttggtcca	agatagaatc	120
ttagttcaac	tttaaatttg	cccacagaac	cctctaaatc	cccttgtaaa	tttaactgtt	180
agtccaaaga	ggaacagctc	tttggacact	aggaaaaaac	cttgtagaga	gagtaaaaaa	240
tttaacaccc	atagtagg					258

<210> 1201

<211> 403

<212> DNA

<213> Homo sapien

<400> 1201

ctgagctgct	gtctgctttg	gaaaaccgtt	cctgccgctg	ccgatggatg	gaaatgcaat	60
ggatttcagc	ttcttatcat	cagccagggc	caagcagttt	ttcactgtct	ttccagaag	120
ttcttcacac	ttgtctgcac	cccaaactgg	actattacag	tggtatcaca	acttggcagg	180
caggccatgg	cctgcgctga	cagcagctcc	agctacttcc	aagggcccgt	tctttttccg	240
gagttccagg	acagcttcca	caaactcctt	gccacctttc	ttctccagcg	tggttccctag	300
gtcatcttta	aggtcaatgt	cagcattggg	aggattgatt	atggcctcca	cctcaaagcc	360
ggctaaatta	ctgatttcac	tgtgaataag	gttcggcttc	tgg		403

<210> 1202

<211> 325

<212> DNA

<213> Homo sapien

<400> 1202

ctgaacctgc	gggagtcggc	caccatcacg	tgcttggtga	cgggcttctc	tcccgcggac	60
gtcttcgtgc	agtggatgca	gagggggcag	cccttgctcc	cggagaagta	tgtgaccagc	120
gccccaatgc	ctgagcccca	ggccccaggc	cgggtacttcg	cccacagcat	cctgaccgtg	180
tccgaagagg	aatggaacac	gggggagacc	tacacctgcg	tggtggccct	tgaggccctg	240
cccaacaggg	tcaccgagag	gaccgtggac	aagtcaccgc	gtaaaccac	cctgtacaac	300

325

<400>	1203						
ctcaaccaca	gtctgacacc	agagcccact	tccatcctct	ctggtgtgag	gcacagcgag		60
ggcagcatct	ggaggagctc	tgcagcctcc	acacctacca	cgacctccca	gggctgggct		120
caggaaaaac	cagccactgc	tttacaggac	aggggggttg	agctgagccc	cgctcacac		180
ccacccccat	gcactcaaag	attggatttt	acagctactt	gcaattcaaa	attcagaaga		240
ataaaaaaatg	ggaacataca	gaactctaaa	agatagacat	cagaaaattgt	taagttaagc		300
tttttcaaaa	aaccagcaat	tccccagcgt	agtcaagggt	ggacactgca	cgctctggca		360
tgatgggatg	gcgaccgggc	aagctttctt	cctcgagatg	ctctgctgct	tgagagctat		420
tgctttgtta	agatataaaa	aggggtttct	ttttgtcttt	ctgtaagggtg	gacttcagc		480
ttttgattga	aagtcctagg	gtgattctat	ttctgctg				518

[illegible][illegible]

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<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G
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<400> 1206

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ctgctctcgn ngnctcactg gatggaccag cacttccgca cgacgcccct ggagaagaac      60
gcccccgctc tgetggccct gctgggtatc tggtagatca actgcttttg gtgtgagaca      120
cacgccatgc tgccctatga ccagtacctg caccgctttg ctgcgtactt ccagcagggc      180
gacatggagt ccaatgggaa atacatcacc aaatctggaa cccgtgtgga ccaccnnaca      240
ggccccattg tgtgggggga gccagggacc aatgg                                     275

```

<210> 1207

<211> 182

<212> DNA

<213> Homo sapien

<400> 1207

```

ccatctcctg ctogaagtcc agggcgacgt agcacagctt ctccttgatg tcgcgcacga      60
tttcccgcctc ggccgtgggtg gtgaagctgt agcctcgctc agtgaggatc ttcattgaggt      120
agtcggtcag gtcccggcca gccaggtcca gacgcaggat ggcgtggggg agggcgtagc      180
cc                                                                                   182

```

<210> 1208

<211> 260

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(260)

<223> n = A,T,C or G

<400> 1208

```

gctgggttatg aactcctgac ctcaagtgat ctgcccctcct cagcctccca aagtgtctggg      60
attataggca tgagccactg gaattttttct tttttttttt ctttcttttt tttttttttt      120
ttaaattgan acaaggtctg gctctatcgc ccangctgga gtgcagnggc accatntcgg      180
ctcactgcaa cctctgcctg ctgggctcga gccatcctcc cacctcagcc tccaagtan      240
ttgggactag aggtatgcac                                                                 260

```

<210> 1209

<211> 487

<212> DNA

<213> Homo sapien

<400> 1209

```

aaaccctactc caccttacta ccagacaacc ttagccaaac catttaccca aataaagtat      60
aggcgataga aattgaaacc tggcgcaata gatatagtac cgcaagggaa agatgaaaaa      120
ctataaccaa gcataatata gcaaggacta atccctatac cttctgcata atgaattaac      180
tagaaataac tttgcaagga gagccaaagc taagaccccc gaaaccagac gagctaccta      240
agaacagcta aaagagcaca cccgtctatg tagcaaaata gtgggaagat ttataggtag      300
aggcgacaaa cctaccgagc ctggtgatag ctggttgtcc aagatagaat cttagttcaa      360
ctttaaattht gccacagaa cctctaaat ccccttgtaa atttaactgt tagtccaaag      420
aggaacagct ctttggacac taggaaaaaa ccttgtagag agagtaaaaa atttaacacc      480
catagta                                                                                   487

```

<210> 1210

<211> 216

<212> DNA

<213> Homo sapien

<400> 1210
 ccactcagct cagcgggcca cgtgccccta caagttggca gaagtggctg ccactgctgg 60
 gtttgtgtaa gagaggctgc tgccaccatt acctgcagaa accttctcat aggggctacg 120
 atcgggtactg ctagggggca catagcgccc atggatgtgg taggtggggg actcgcctcat 180
 aggatggtag gtatcccggg ctggaaagat gtccag 216

<210> 1211
 <211> 443
 <212> DNA
 <213> Homo sapien

<400> 1211
 ccaaggtcag aggctgatgc aacaggccct cttctcccca gggccaggct cctgtccagc 60
 ctgggcactg cccagagtga tggcattggg ccggatgctg ttctgtctct gcttggacac 120
 cttcgcaaag atttctttca ggacagtctc aaaggctagc tcaacattgg tagagtccag 180
 ggctgaggtc tccagggaaga gcagtccatt gttttcagcg aacattcggg cctcctcagt 240
 gggcacttcc cgggcctggc tgaggctact tttgttacct acgagcatga cgacgatcgt 300
 ggcttcagca tggatcataga gctccttcag ccacgcctcc accacagcat aggtctggtg 360
 cttgggttagg tcaaacacca ggagggcccc cactgcacca cgatagtacg ccgagggtgat 420
 ggctcggtac cgctccaggc cag 443

<210> 1212
 <211> 526
 <212> DNA
 <213> Homo sapien

<400> 1212
 actgaaaccc gagtaaattgc tcaggctgct gcatatgaat acatggctgc atacatagaa 60
 aatgcgaaac aggttggccg ccttgaaaat gcaatcgggt ggtatcatag ccaccctggc 120
 tatggctgct ggctttctgg gattgatgtt agtactcaga tgctcaatca gcagttccag 180
 gaaccatttg tagcagtggg gattgatcca acaagaacaa tatccgcagg gaaagtgaat 240
 cttggcgctt ttaggacata cccaaagggc tacaaacctc ctgatgaagg accttctgag 300
 taccagacta ttccacttaa taaaatagaa gattttgggtg tacactgcaa acaatattat 360
 gccttagaag tctcatattt caaatcctct ttggatcgca aattgcttga gctgttgtgg 420
 aataaatact ggggtgaatac gttgagttct tctagcttgc ttactaatgc agactatacc 480
 actggtcagg tctttgattt gtctgaaaag ttagagcagt cagaag 526

<210> 1213
 <211> 359
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(359)
 <223> n = A,T,C or G

<400> 1213
 ccagccattg cctgncattt ggtagtatag tatgattctc accattattt gtcattggagg 60
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 gtgctgggtc aagcaagctg agatcatttg caatggaaaa cacgtaactt gtttaaaagt 180
 ttttctggta gcttttagctt tatgctaaaa aaaataatga cattgggtat ctatttcttt 240
 ctaagactac attantanga aaataagtct tttcatgctt atgatttagc tgttttgtgg 300

taattgcttt ttaaaggaag nnattaatat cataagttat tattaatatt gtgaacnca 359

<210> 1214
<211> 428
<212> DNA
<213> Homo sapien

<400> 1214
ccaagcttga ggcagcccta ggtgaggcca agaagcaact tcaggatgag atgctgcggc 60
gggtggatgc tgagaacagg ctgcagacca tgaaggagga actggacttc cagaagaaca 120
tctacagtga ggagctgcgt gagaccaagc gccgtcatga gacccgactg gtggagattg 180
acaatgggaa gcagcgtgag tttgagagcc ggctggcgga tgcgctgcag gaactgcggg 240
cccagcatga ggaccagggt gagcagtata agaaggagct ggagaagact tattctgcca 300
agctggacaa tgccaggcag tctgctgaga ggaacagcaa cctggtgggg gctgcccacg 360
aggagctgca gcagtcgcgc atccgcacgc acagcctctc tgcccagctc agccagctcc 420
agaagcag 428

<210> 1215
<211> 414
<212> DNA
<213> Homo sapien

<400> 1215
ctgaagcact cttcagagac tacgtccaca gacactgatg ctgaggcctt tcttctaagt 60
gaagaaaaag gaatgcagca aagaagagtt cgacattgga gtccttagtt ccatcaggat 120
cccattcgca gccttttagca tcatgtagaa gcaaactgca cctatggctg agatagggtg 180
aatgacctac aagatthttgt gttttctagc tgtccaggaa aagccatctt cagtcttget 240
gacagtcaaa gagcaagtga aaccatttcc agcctaaact acataaaagc agccgaacca 300
atgattaaag acctctaagg ctccataatc atcattaaat atgcccacaa tcattgtgac 360
tttttatttt atatacagga ttaaaatcaa cattaaatca tcttatttac atgg 414

<210> 1216
<211> 162
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(162)
<223> n = A,T,C or G

<400> 1216
cctggccgca gggcccccg gtattgctgt tgctacgagg ttggggggca gcgattgtcc 60
tgtgggagcc accgttctcc tgggtcgggg accctcactt cttctggggg gtgctcannt 120
tctgcatgcc ccgatcttg tccagcangc cagaaatgaa gg 162

<210> 1217
<211> 392
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(392)

<223> n = A,T,C or G

```
<400> 1217
ctgaagtaga ggctggaact gaagctgaga ctgaggctga ggctgaaact ggagctaagg      60
gtgaggctgg aactggagct gaggttgagg ccagaactgg agctaaagtt gaggctggaa      120
ccggagctga gggtgaggct ggaactggag ttaagggtgc tggaaagtga gctgagggtg      180
aggctggaac tgaagctgag gttgaagggtg gaagtggagc cgaagctaga ggtggaactg      240
aggctgaaga ctgtgcttgc tggatccctg tagcctgttt tttggcaaat cttggaggaa      300
gcttanaagt ctggcttctt cctttttcat ttgcattctt tttgttccag accttaaaaa      360
attaacgggg accatttttg tcaataatgc ag                                     392
```

<210> 1218

<211> 526

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(526)

<223> n = A,T,C or G

```
<400> 1218
ctgagctttt agcagataaa tcacagcaga aatagaatca ccctaggact ttcaatcaaa      60
agctggaagt ccaccttaca gaaagacaaa aagaaacccc tttttatatc ttaacaaagc      120
aatagctctc aagcagcaga gcatctcgag gaagaaagct tgcccggctc ccatcccatc      180
atgccagagc gtgcagtgtc cacccttgac tacgctgggg aattgctgat tttttgaaaa      240
agcttaactt aacaatttct gatgtctatc ctttagagtt ctgtatgttc ccatttttta      300
ttcttctgaa ttttgaattg caagtagctg taaaatccaa tctttgagtg catgggggtg      360
ggtgtgaggg ggggctcanc ttcaaccccc tgtcctgtaa agcagtggct ggtttttctt      420
gagcccagcc ctgggagggtc gtggtangtg tggaggctgc agagctcctn cagatgctgc      480
cctcgctgtg cctcacacca nagaggatgg aagtgggctc tgggtgt                                     526
```

<210> 1219

<211> 382

<212> DNA

<213> Homo sapien

```
<400> 1219
ctggccggcg gtgcagatct ggagtccagc ctcagggatg cgctactttc cattctctgc      60
attgaacatt cgttctgtca gcatccgctc cagcttcact gcatcagcgg caaacttgcg      120
gatcccgtca gagagcttct ccacagccat ctggctcctc ttgtgcaacc aacggaaaga      180
cttctcatcc aggtggattt tttccaggtc actggcttgg gccgccttgg ctgagagcac      240
aggcaccagc ttggcgttgt cctgcagcag ctctcccagg agcttgggtg agatgggtgag      300
gaagtcacag ccggccagtg ctttgccttc gcccggtgtg cggaaggagg cgcccatgac      360
aatggttttg tagctaaact tc                                     382
```

<210> 1220

<211> 127

<212> DNA

<213> Homo sapien

```
<400> 1220
tcgacctcct tgaagcagac caagtatagc aagcctctaa aaggactact gagaaacaga      60
atcagaaact ctagaactct agttagggcc cttcagcagg gctgcagagc ctccctggat      120
```

acccagg

127

<210> 1221
<211> 304
<212> DNA
<213> Homo sapien

<400> 1221
ccaccccgga gatgacacga ggctcacatg actctagaca cttggtggaa agtgaggcga 60
gaaaaacaat gacttgggcc aattacacga ctgcaaagct agagctgcca acagggctcc 120
agggagcttg gcttctgtag aagttctaag gaagcggtag gaactccacg gcggtggggc 180
gctaactagc agggaccctt gcaagtgttg gtcgggggcc tcgggctgcc tgagctgaca 240
cgaggggagg ggtctgtgta gccaacaggt gaccgaaggg cttgcctgcc cacagcttac 300
ttgg 304

<210> 1222
<211> 309
<212> DNA
<213> Homo sapien

<400> 1222
ctgtcgact cgtagctgca actcactcaa cttgtcttta gcagcaatth ctgcatagtc 60
attggcatgt tcacctacct ggatgtccgg gtgaactctc agcatgcctc cagcaaagag 120
ggagaacttg gtggaattgg agtgaagaca gatctggtgc tcaccagggg tatgggaagt 180
gaaagtgaac ctgccctcgg agccatactg ccggggcagg atgacctgt cctctgggtc 240
ctccacctcc acaaacatgc caagccccgg ggtggccggc tggtagctct cccgctgctt 300
gtcatacag 309

<210> 1223
<211> 390
<212> DNA
<213> Homo sapien

<400> 1223
cctggccttg gagccctgtg cctactagaa gcacattaga ttatccattc actgacagaa 60
caggtctttt ttgggtcctt cttctccacc acgatatact tgcagtcctc cttcttgaag 120
attctttggc agttgtcttt gtcataaccc acaggtgtag aaacaagggt gcaacatgaa 180
atctctgttt cgtagcaagt gcatgtctca cagttgtcag tctgccactc cgagtttatt 240
ggtgtttgtt tcctttgaga tccatgcatt tccctggtga atctcctgga actccctcat 300
taggtatgaa atagcatgat gcattgcata aagtcacgaa ggtggcaaag atcacaacgc 360
tgcccaggag aacattcatt gtgataagca 390

<210> 1224
<211> 407
<212> DNA
<213> Homo sapien

<400> 1224
ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
ggagacgatg tcatcatcat cgggggtctt aagggggaga gtgaccagc ctaccagcaa 180
taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac ttccagcaca 240
gaaatagcaa agttcttgaa agtctccag gggcagttgg ttgtaatgca gcctgagaaa 300
ttccagtcca agtatgagcc ccggagccac atgatggacg tccagggctc caccaggagc 360

407

```
<210> 1228
<211> 279
<212> DNA
<213> Homo sapien
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1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2

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<400> 1228
ctgggcggat ctgatcaact aggcaacatc atgtccggat atgagttcat caacaagttg      60
actggagaag atgtatattgg aatcaccggt cctctaatta caagtacaac tggagcaaag      120
ctgggaaagt ctgctggcaa tgctgtttgg ctaaacagag ataagacatc tccatttgaa      180
ttgtatcaat tctttgtcag gcaaccggac gattcagtgg aaaggtagct gaagctgttc      240
actttcctac cccttcaga gattgatcat atcatgcag                                279

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```

<210> 1229
<211> 199
<212> DNA
<213> Homo sapien

```

```

<400> 1229
cggccgaggt ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg      60
cggaagccag cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct      120
gcaggcgcat aggtgccaaa tcccaggaca ggcatagaat gaccatcatt cagcttcaca      180
cactgatatt tcgaatcca                                                    199

```

```

<210> 1230
<211> 237
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (237)
<223> n = A,T,C or G

```

```

<400> 1230
ctgcattgnt gnggaattca caactactca ggctgggaaa atacagattg gttcaaagaa      60
accaaaaacc agagtgtccc tcttagctgc tgcagagaga ctgccagcaa ttgtaatggc      120
agcctggccc acccttcgga cctctatgct gaggggtgtg aggccttagt agtgaagaag      180
ctacaagaaa tcatgatgca tgtgatctgg gccgcactgg catttgcagc tattcag       237

```

```

<210> 1231
<211> 277
<212> DNA
<213> Homo sapien

```

```

<400> 1231
ctggaggtgc ctcagaaggt gcattctgct tcctgcaggg gcttgaaaca ccaaggcact      60
ccagggatcc tggagtcaaa gcagcagccc cggttggtgc actccttggg ggtgacatgg      120
gggtagccgc agtccaccct gtccctggct ggcacggcac actggtttgc agacaggccc      180
acgtactcct cagcagagct ggaggacagc aaggccagga ccagccccag catgcagagc      240
gctctggcag ccatgaccac cgtgggctcc gggacgc                                277

```

```

<210> 1232
<211> 348
<212> DNA
<213> Homo sapien

```

```

<400> 1232
ctgcaacttt ttttttttgc aattacagag tggatttcag ttaacagaac aacaattatt      60

```

```

tcgtataagc tgcacagag acaactgaag atgaaaaaac taccatcccc atatataact 120
aatttgtgct gtgcaccaac aagaacctgc tttaaatttc catgccaatt tacaaccccc 180
atactgtacc aggcaagggt agtggctatt gaaaatacca ccaggacagg gctatctaaa 240
gacacattcg gtagtggttt aactatacaa aaaaagacac tgtacagttt aaaaacaaat 300
cttacacagc cttacatttc aatttttttc tttaaaagga gtgagttg 348

```

<210> 1233

<211> 312

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(312)

<223> n = A,T,C or G

<400> 1233

```

ctgagcgtac ggccgcgttc atcccagccg cgggtgcccc cacgttgatg acagctacgt 60
tgcaattggg ctttgggac tgatcatccg gcagcttgat ggcaagtcgc ttgtagggtg 120
tcaggttgcc cgcaaagctc ctccctcgga gtcgaaccgn atnttgaaat ctctctcgt 180
ccatcgcttc ctgcacatcc tgagtcacct gcacgcactc catcagcggc aggcgcacgg 240
ngtgggtccc gttcagtgac acgacgcaag ctgggggtgtc cgggggtggc tctagcaagg 300
cnatgactgc ct 312

```

<210> 1234

<211> 151

<212> DNA

<213> Homo sapien

<400> 1234

```

ccggccgcgg gcataaaagg cgccaggtga gggcctcgcc gctcctcccg cgaatcgag 60
cttctgagac cagggttgct ccgtccgtgc tccgcctcgc catgacttcc tacagctatc 120
gccagtcgtc ggccacgtcg tccttcggag g 151

```

<210> 1235

<211> 250

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(250)

<223> n = A,T,C or G

<400> 1235

```

ctgcaccttn gggcntnttt ctttttaatt attcttcctc tgactttgta tcccttaata 60
cctacactct ccaattgtaa gagaaagggg gcagggaagc aatatanctt ccattctaag 120
gctgtattcc cgttatgaat tactagctga ttacagttca nagcattgat cctggaatgt 180
gtgctggana aatttaaaat actgggggtt tttgtttaat ggtgcctgtt tagagttgga 240
agttgaacag 250

```

<210> 1236

<211> 154

<212> DNA

<213> Homo sapien

<400> 1236

ctgatacctca	ctattgtggg	caccatcgct	ggcatcgta	ttctcagcat	gataattgca	60
ttgattgtca	cagcaagatc	aaataacaaa	acgaagcata	ttgaagaaga	gaacttgatt	120
gacgaagact	ttcaaaatct	aaaactgcgg	tcga			154

<210> 1237

<211> 375

<212> DNA

<213> Homo sapien

<400> 1237

ccactggatc	tttgggatta	aagctctgtt	ggatttgtac	ctcagaggaa	gatcaagtgg	60
ctgataccttt	ggactctgta	aagagcattc	ttctagtcag	aggggtggaat	ggcagcagca	120
actggaagaa	aatgagtttt	ttgggtgccc	cacccaagag	cacacacatg	ctgcactgtc	180
tcggaaagca	gggccagcta	gagccaccat	gttcttcctt	acctcagttt	acctgcggcc	240
tgcgctgcac	tgcagatgcc	caccctgccc	tgggtctggc	cggcggaagc	tctgtccaag	300
gtccacacac	ctccaggttt	acgccaacat	ccttgtgccc	tccccacctt	ctcttccaac	360
gcattagggtg	cattg					375

<210> 1238

<211> 454

<212> DNA

<213> Homo sapien

<400> 1238

gtcaagatca	agttcaatat	catcgccctc	ctctatgact	acaaccccaa	cctggcaacc	60
tacatgaagc	cagagatgtg	ggggaagtgc	ctggactgca	tcaatgagct	gatggatatc	120
ctgtttgcaa	atcccaacat	ttttgttggg	gagaatattc	cggaagagag	tgagaacctg	180
cacaacgctg	accagccact	gogtgtccgt	ggctgcatcc	taactctggt	ggaacgaatg	240
gatgaagaat	ttaccaaagt	aatgcaaaat	actgaccctc	actccaagag	tacgtggagc	300
acttgaagga	tgaggcccag	gtgtgtgcca	tcacgagcgc	tgtgcagcgc	tacctggagg	360
agaagggcac	taccgaggag	gtctgccgca	tctacctgct	gcgcatcctg	cacacctact	420
acaagtttga	ttacaaggcc	catcagcgac	agac			454

<210> 1239

<211> 483

<212> DNA

<213> Homo sapien

<400> 1239

ctgccaggct	gaaaagaagc	ctcagctccc	acaccgccct	cctcaccgcc	cttcctcggg	60
agtcacttcc	actggtggac	cacgggcccc	cagccctgtg	tcggccttgt	ctgtctcagc	120
tcaaccacag	tctgacacca	gagcccactt	ccatcctctc	tgggtgtgagg	cacagcgagg	180
gcagcatctg	gaggagctct	gcagcctcca	cacctaccac	gacctcccag	ggctgggctc	240
aggaaaaacc	agccactgct	ttacaggaca	gggggttgaa	gctgagcccc	gcctcacacc	300
cacccccatg	cactcaaaga	ttggatttta	cagctacttg	caattcaaaa	ttcagaagaa	360
taaaaaatgg	gaacatacag	aactctaaaa	gatagacatc	agaaattgtt	aagttaagct	420
ttttcaaaaa	atcagcaatt	ccccagcgta	gtcaagggtg	gacactgcac	gctctggcat	480
gat						483

<210> 1240

<211> 358

<212> DNA
<213> Homo sapien

<400> 1240
cctttatgga tgaaagtacc cagtgcctcc agaaggtgtc agtacagctc ggaaagagaa 60
gcatgcaaca attagatccc tcaccagctc gaaaactgtt gaagcttcag ctacagaacc 120
cacctgccat acatggatct ggatctggat cttgtcagtg actttatgag agtttctgcc 180
acaaggtgcc caagaggaga ggaatgggaa gagtgtccca gcacgtggtg actgctgat 240
ttctgctcra tgccttmts atamstgacc aactgasgg cgaattmcag cactggcg 300
gccgttacta gtggatccga gctcgttacc aagcttggcg taatcatggt catagctg 358

<210> 1241
<211> 194
<212> DNA
<213> Homo sapien

<400> 1241
ccaaaggttc gtaatgccat ctctgcacca atctcctccc ccatagcaat aagggcaatc 60
cccagaacag cactccctg atgtgctccc atgtcagcag gggttcctt cttgtccttg 120
tcttctttt ccttcttgc tttgtcttcc tcttctctt tggagtcaaa gtgttcgcta 180
caaattgtga gcag 194

<210> 1242
<211> 316
<212> DNA
<213> Homo sapien

<400> 1242
ccttgcttc actgccctct aagggaactt ggtcactcgg cacttttaag cctcagtttc 60
tccagttcaa taataaggac aagagctttt cccatgcatt ctctttcccc gggaaagtgtg 120
actgaggtga ccagtaatag aattgaaaag ggagagtgtc ttcagtgcaa tgtggcatcc 180
tggattgggt cttggaacaa aaacaggaca ttagtgggaa aattggaaat ctgaaaaaag 240
tctgaatttt agttaatata ccaatttcag tctcttgggt ttgacagatg taccatgggtg 300
atgtaagatg ttgacc 316

<210> 1243
<211> 275
<212> DNA
<213> Homo sapien

<400> 1243
aaaagggtga tgaaagtatt atgtataata ttataatggt aaatatgtga tatgaatttg 60
ttgaaatcaa cagaatatac agcataaagg gttaattcca attcacaaaa atataaataa 120
ataggagatt aggaattcca ggatagaatg cagacaatat agaaaatatc taatgtcatt 180
acaaatgtat gaaatcagaa gaggtgccaa gtgacctcag aaatagtgtg gtcaataaaa 240
gaataaagaa agtgcacgtc agaactgtac cccag 275

<210> 1244
<211> 235
<212> DNA
<213> Homo sapien

<400> 1244
ctgctgcgct tggataacaa gtaattcaac gcacgcactt aacagaaatg ttaaactata 60

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acaagcacca tttgaggatt aacaggaaca tttttttgaa gatttcaaac gaactcgact      120
ttcagtataa ttgtacctaa agtattttata aacagctcat cggagcctct atttgtcata      180
gactttttgag ttgattgttg ggaccacata ataggaccat tttttttttg tcttt          235

```

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<210> 1245
<211> 640
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(640)
<223> n = A,T,C or G

```

```

<400> 1245
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tggaactgga ctacaaaggg aatagacagg gtgtggcagg aggggggttc tcacggttgg      120
agtgcgaggt tagggacagg aatagaaggy aggtaataaa cattcatgtg gtattaacag      180
ggcagatgtg tcaatrtatt tscaagttta gcataatata ggtataaaaa ttaaataaaa      240
atagtttaka tgtgtgtgta tatatgggtt aatacacaac acatacctcc tagagtcatt      300
acctgagagg ttctacaaga aaagacagca aattaacaaa aaatacaccc agaatcaaga      360
tttgagtttt ggttcctttc atagcagaat ggtatgcaac atttcttgga aaaatggcta      420
atcctagggc ttggaaaagag aatataggag taaagtctac aatttctcat ggtacccaga      480
aaataagaaa gggttccaaa atgaagaatc gtcctttttg caaaccttat ggtaacaaat      540
ataatattta taaaaagtga attangtaat atgttaatgg agaaataaac atcattatga      600
aatgctatct taacaaaaaa targagaaaa twttagtttt          640

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<210> 1246
<211> 509
<212> DNA
<213> Homo sapien

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<400> 1246
aaactttcaa agaatcactt ttaggcttac aaaaataaat atttgtcaaa atgttcaata      60
aatattacat aaaactagca gcaaaaagta tctagaaatc tgtcgtgtgc aaatagtttt      120
cttcccaact atcattccca tgggtcccaa taaatttttag aatctagtcc catccccttc      180
ctagacaagc tgcgttcaac aatctccaag agacaaagta agattggaag ttaaggaca      240
cgcacacaag acatatatat aaaattctct gaatgtgcaa taaaagaagt actttgtaaa      300
aagttatggg caaaatgtac aagggcctaa acctagacta attgaaatag caccataaca      360
aatgacctca atactgtcaa gtgcacctac ttaataaaaag ttttgaaca aggcacata      420
cacttgaaaa tctattgcac tttaggaaat ttttgccgtc ttcctatgcc actgtaaaaa      480
gatggagcgt tttgatcacc gcattctggt          509

```

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<210> 1247
<211> 310
<212> DNA
<213> Homo sapien

```

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<400> 1247
catatgtgga actattcttg gaaagtctac aaagtgaaat ctatcgagtt atttctcatt      60
tgcaaagtga tcctttgagt catttctcat aatctataat ctgaatgtta atactgatat      120
ttttaaaagc cctacatccc aacagaccag gccatctaga tatttcagcg tgggtgtctca      180
ggatgagtaa acaaacagct aaaaatatat gacttatgta aactagagtt acaggagtta      240
ctagcttttc tgaaagggat atattctaag tattttttct taaaaaaaaa aaarggggg      300

```

gggggggggtt

<210> 1248

<211> 640

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(640)

<223> n = A,T,C or G

<400> 1248

aaagatatataa	aactatggag	aaaactgcta	aagggtatcc	ctgaccttta	tgatgatgca	60
gctatttttcg	aggccaaaaa	atcatttttac	tgggcaagaa	aaacatctca	ttcctttgtc	120
gtgaatatcc	ttgctcaggc	tctttatgaa	ttattttctg	ccacagatga	ttccctgcat	180
caactaagaa	aagcctgttt	tctttatttc	aaacttggtg	gcgaatgtgt	tgcggtcct	240
gttgggctgc	tttctgtatt	gtctcctaac	cctctagttt	taattggaca	cttctttgct	300
gttgcaatct	atgccgtgta	tttttgcttt	aagtcagaac	cttggattac	aaaacctcga	360
gccctttctca	gtagtggtgc	tgtattgtac	aaagcgtggt	ctgtaaatatt	tcctctaatt	420
tactcagaaa	tgaagtatat	ggttcattaa	gcttaaaggg	gaaccatttg	tgaatgaata	480
tttggaactt	accaagtcct	aagagacttt	tggaagagga	tatatatagc	atagtaccat	540
accacttata	aagtggaaac	tcttggaacca	agatttggtg	taatttggtt	ttgaagtttt	600
tggnatataa	atatgtaaat	acatgcttta	attgcaattt			640

<210> 1249

<211> 1108

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(1108)

<223> n = A,T,C or G

<400> 1249

caaaataaat	ttcaattcaa	tgaaaagtaa	ataacttagg	gatctataaa	tgacactgca	60
atgtatcttg	ttccattttt	aacaggaagt	ccttcacatg	aatgtgtgag	tctcccagga	120
tgcataagc	tccagccttt	togtggtgac	tcaatagagc	aattgtacct	tacaaatktg	180
caaccacctc	cctgaaagtc	ttctcccacg	ttattaagtg	caatgyttat	ggtaaagtga	240
gaagcatcat	gatgaggacg	aagagaacgc	tgtcgttcag	gggagtattt	tactacaaaa	300
ttcagtagtg	caaatccctt	cgtataatag	cctgcaaaga	ccttcagtgt	aactgggtgca	360
atgaactccc	ggataaaatg	aagccataca	ttctccagat	caacttgctt	catgtggata	420
tcacagttg	ggacattttc	ataaccacca	gatatacggc	tatcatgatg	tttttcccca	480
gaccatttgc	cgtaatgttc	catttcttct	accaattcat	cacaggncct	tttcagaaaa	540
tatggggaac	cmaaaagaca	tctggacagg	gctgttcaam	ctatattttc	agtgaaaatc	600
tttgaataat	ccmcggttta	tatacttttc	cttccagtc	acaggatttt	caaaaatctg	660
ccagaggtca	ttgttataat	gggaagtatt	gtaattagca	gtggataata	gccttccaaa	720
ttcatgtcta	ttagaaatgt	acataaatac	accctttggg	gggctgagca	tttggaatgt	780
ttcoggagta	ggggagtctt	tttccctttg	taaagtcatt	tctctagcat	ttcggcaaaag	840
agccatatca	ggatccagtt	tatcacgaac	aaaatatgct	ccttcattca	tctctgatcg	900
gagtgtcttt	cctttaatta	agtacacatt	agccatatat	gggacattcc	atactcctac	960
tctattccct	tgaacaatat	ccacataatc	ttcagatcgt	gcatagtatc	catcaggact	1020
caatgctccc	cagaaattgg	accacagctt	tccatgacga	gttacaagag	gagcaatgat	1080

ctttctgttt tgttcaatca aaattttt

1108

<210> 1250
 <211> 567
 <212> DNA
 <213> Homo sapien

<400> 1250
 ctgaatattg aactggaagc agcacatcat taggctttat gactgggtgt gtgttggtgtg 60
 tatgtaatac ataatgttta ttgtacagat gtgtgggggt tgtgttttat gatacattac 120
 agccaaatta tttgttggtt tatggacata ctgccctttc attttttttc ttttccagtgt 180
 tttagggtgat ctcaaattag gaaatgcatt taaccatgta aaagatgagt gctaaagtaa 240
 gcttttttagg gccctttgcc aataggtagt cattcaatct ggtattgatc ttttcacaaa 300
 taacagaact gagaaacttt tatatataac tgatgatcac ataaaacaga tttgcataaa 360
 attaccatga ttgctttatg tttatattta acttgtatgt ttgtacaaac aagattgtgt 420
 aagatatatt tgaagtttca gtgatttaac agtctttcca acttttcatg atttttatga 480
 gcacagactt tcaagaaaat acttgaaaat aaattacatt gccttttgtc cattaatcag 540
 caaataaaaac atggccttaa ctaaaaa 567

<210> 1251
 <211> 655
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(655)
 <223> n = A,T,C or G

<400> 1251
 gaaagaaacc aatttaatgc caccaaaccat aagcctgcta tacctgggaa acaaaaaatc 60
 tcacacctaa attctagcag agtaaacgat tccaactaga atgtactgta tatccatattg 120
 gcacatttat gactttgtaa tatgtaattc ataatacagg ntttaagggtgt gtggnatgga 180
 gctaggaaaa ccnaaggagn aggaaattat nnaaaagaac tgnaggtnaa gtataaagtc 240
 atatgcctga tttcctcaaa ccttttggtt ttccctcatgg cttctggcctt tatattttta 300
 tcacaaacca agatctaaca gggntccttc tagaggatta ttagataagt aacacttgat 360
 cattaagcac ggatcatgcc actcattcat gggtgntcta tgttccatga actctaatag 420
 cccaacttat acatggcact ccaaggggat gcttcagcca gaaagtaaaag ggctgaaaaa 480
 gtagaacaat acaaaagccc tcgtgtgggg ggaactgnng gctcactctt acttggcctt 540
 cattcnaaac aggttgggnc tttcntgcga ngatctctca gggnggtaaa aactttntgg 600
 ntttcaacan aanaggtttg gntgaatgat tactcggcng acacctaagg gatcc 655

<210> 1252
 <211> 672
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(672)
 <223> n = A,T,C or G

<400> 1252
 aaantgcaaa aaccagaag accaataatt ctgaaacttg gcatgagtgt gccagtcag 60

cagcttgcaa	agagaggatg	tgtcagttac	tacaattgct	gtactccttt	agctgagtc	120
ttcaactttc	tccttccttg	cagtaaatac	tacgttgtaa	ttcatatgac	tgagatctta	180
gtatcacagg	atTTTTtagct	cccatgctc	cttcaaaatt	gtttacatgg	atttgtttct	240
attctctgta	ggccatattc	caaacacatt	cacttctaaa	tccaacacaa	gtgaaggacc	300
agccaggatg	aaacacttca	gcaatcattt	tgttaaaaaat	aacatcctgg	tcacatcaagct	360
aagcataagc	acctcttgta	taacaattca	tcttaaaaagc	ttaaagtaca	ataataaaaa	420
taactgctg	aaaactggaa	atgaaataca	acagaaaaac	tgaagcatta	gtaatttttg	480
caagtaaccc	aggtacagta	catttgattt	catagagggt	gttttctgat	gtttaaggag	540
agggtagaag	gggtaggaaa	acttggcaag	gaagatggaa	acagcacac	cagttatttt	600
gcttttaata	aagtaaattg	aatgacagga	gtagggaggt	gacaaacaca	tcnatatata	660
tttttcttat	gg					672

<210> 1253

<211> 644

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (644)

<223> n = A,T,C or G

<400> 1253						
ccaaatattt	gtagaaaact	tctggtaact	tagatggct	ggaatacaag	ttacatgatt	60
ttggctacag	aggagtctct	tccaagaga	ctgctggcat	aggagcatct	gctcacttgg	120
ttaacttcaa	aggaacagat	acagtagcag	gacttgctct	aattaaaaaa	tattatggaa	180
cgaagatcc	tgttccaggc	tattctgttc	cagcagcaga	acacagtacc	ataacagctt	240
gggggaaaga	ccatgaaaaa	gatgcttttg	aacatattgt	aacacagttt	tcacagtg	300
agtgatctgt	ggtcagcgat	agctatgaca	tttataatgc	gtgtgagaaa	tatggggtga	360
agatctaaga	catttaatat	tatcgagaag	tacacagaca	ccactaataa	tcagacctga	420
ttctggaaac	cctcttgaca	ctgtgttaaa	ggttttggag	attttaggta	agaagtttcc	480
tgttactgag	aactcaaagg	gttacaagtt	gctgcccacc	ttatcttaga	gttattcaag	540
gggatggagt	agatattaat	accttacaaa	gagattgnag	anggcataga	acaaaaaatg	600
yggactattg	aaaatatgtc	cttcgttctg	gcggagggtt	gctc		644

<210> 1254

<211> 438

<212> DNA

<213> Homo sapien

<400> 1254						
aaagggcatt	tgaggggagg	attattgcta	tgaatgaaaa	aaatatttta	gcttagacta	60
agctacctgc	cttcaaaaata	gtttagggac	caccaccata	ttttattttg	tttttatttt	120
tgaacatttt	tctaattgatt	tggagagaaa	actattttaca	aaaattccac	atatcagtga	180
tacaatttct	tgtgtgcacc	aattttttat	aatagcagag	tggcctgttc	taagaaggcc	240
atatttttta	agttatcttt	cagggtaaca	tggaaatact	ataaaagttg	atgtcaaact	300
ttaatatgtt	ttcagtgttc	tctaattttt	tggaaatttt	gtagacttta	cacctggaaa	360
aaaagatttg	taaaatcacc	ggaacaattg	tgtgctttat	tttataggta	gtggttatta	420
gtattacatc	cccatttt					438

<210> 1255

<211> 519

<212> DNA

<213> Homo sapien

<400> 1255
 caagcacagg ggagtttata gttctgatgt ctttgacatt ttccctggaa cataccaaac 60
 cctagaaatg tttccaagaa cacctggaat ttggttactc cactgccatg tgaccgacca 120
 cattcatgct ggaatggaaa ccacttacac cgttctacaa aatgaagcat cttctgagac 180
 tcacaggaga atatggaatg tgatctaccc aatcacagtc agtgtgatta ttttattcca 240
 aatatctacc aaggaatgac caggagaata agatcctccg atgttcgcaa tgggtgtggtg 300
 tcaggaggct gcctcttaga caatctccag atgtactgtg atgtgagttt gaaaaagagt 360
 tcctgaagta ccacatctgg gagacatgcc actagctgag cttcccaaaa gtctaccaag 420
 agctgaggaa ttgtatcttc atccttagca caaagcacct taaaaacagt aaaaggagcc 480
 tctatattcc agataaatat agcactgata aagcgacag 519

<210> 1256

<211> 178

<212> DNA

<213> Homo sapien

<400> 1256
 ccatgcagga gttcatgac ctcccagtcg gtgcagcaaa cttcagggaa gccatgcgca 60
 ttggagcaga gggttaccac aacctgaaga atgtcatcaa ggagaaatat gggaaagatg 120
 ccaccaatgt gggggatgaa ggcgggtttg ctcccaacat cctggagaat aaagaagg 178

<210> 1257

<211> 255

<212> DNA

<213> Homo sapien

<400> 1257
 ggggtccactt gctgccccat cattgtatca ccttccttca atcttttggc tgccactctc 60
 atgtagggat ccacggtgag gaacaaaagct tcaagcagga cctctccatt ttttaagggc 120
 gggagctcag atgtcttcaa ctcaaagtca ctattagtag gatagccaac aaagtgcctc 180
 ttcagggtcc atgtcttagt acgaaccatc ctgaagctca ggagcccgaa ggttccactg 240
 cctggggaag gcggc 255

<210> 1258

<211> 630

<212> DNA

<213> Homo sapien

<400> 1258
 aaaactaaaa gcatcactgc tgaactccag ctcagtcctc ccattttata atgaggactc 60
 tgaagtttat agaggccaag gacttgtcca aagctttaga tatgtagtgt ctgtgccctt 120
 ttctcttaag tttctcctag agaattgtggg ggctcaggaa cagagaaaat aagggtgcaa 180
 aagtagaaat ggggtggtgt tctcaaagtg tgggtccatc gcatcctagt gactggggtg 240
 cttgttaaaa tgcagattgc tgggccttat cccaatctga ccaaatcatc tcaggatcta 300
 ccttttgaaac aaacttgccct aggtcaaatt cactcttggt gaagtttaag tacttcagaa 360
 acaagacagc cacagaaggt gcacctgcta atttggtggc ttccagtgcc tcatctgtaa 420
 cttctggtga aatcctgaga tgtcttactt tacattgttt acatcccata acattccaac 480
 atttagaaat tcaactcgagc ttatttttct tacttgttta gcactaaatg aaaatagctc 540
 cctgaagtta aggagtttat atacagtaat tcatgcaagt gtgtaaatta aacagatgac 600
 tttccccctt aatatctaata gcacagcaag 630

<210> 1259

<211> 159

<212> DNA
<213> Homo sapien

<400> 1259
 aaaattttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata 60
 caacttttcag gccacagttt tgaaggctcg aagtattaaag ttggtttgat gaattagtcg 120
 gttggcactt acgaacacat ttattgcctt gccatcttt 159

<210> 1260
 <211> 115
 <212> DNA
 <213> Homo sapien

<400> 1260
 aaaaatacta taatttcaaa acttccaaat ttcaacagat gccagtgttc tctccttttt 60
 tcatatggga aaatttcttt caaaattatt tgacgcttgg acaaaaattc cacag 115

<210> 1261
 <211> 280
 <212> DNA
 <213> Homo sapien

<400> 1261
 aaaatattgt ttatctttat ttattttgtg gtaatatagt aagttttttt agaagacaat 60
 ttccataact tgataaatta tagttttgtt tgtagaaaa gttgctctta aaagatgtaa 120
 atagatgaca aacgatgtaa ataattttgt aagaggcttc aaaatgttta tacgtggaaa 180
 cacacctaca tgaaaagcag aaatcggttg ctgttttgct tctttttccc tcttattttt 240
 gtattgtggt catttcctat gcaaataatg gagcaaacag 280

<210> 1262
 <211> 144
 <212> DNA
 <213> Homo sapien

<400> 1262
 aaattatttg atgagttcca cttgtatcat ggctaccgaggaggagaagag gagtttgtaa 60
 actgggccta tgtagtagcc tcatctacca tcgwtgtgat tactgaccac atatgcttgt 120
 cactgggaaa gaagcctggt tcag 144

<210> 1263
 <211> 487
 <212> DNA
 <213> Homo sapien

<400> 1263
 aaacatcttg ataatttggt gttgagagct gttcattcta aaatgtaatg aaattcagtc 60
 tagttctgct gataaagatc atcagttttg aaaggttact gattttcctc ttccctctta 120
 gttttttacc caatatatgg agaagagtaa tgggtcaatct taacattttg ttttaattgt 180
 ttaataaagc tgctgggcag tgggtgcagca ttcctaccta gtgtcataaa agcaaaatac 240
 ttacatagct ttctttaaatt ataggaatga cattacattt ttaggagaaa gtaagttgct 300
 ttgcaccgcc tacttaattc ttttccatat attgtgatac aaacttttga atatggaatc 360
 ttactatttg aatagaaatg tgtatgtata atatacatat atacataagc atatatgtgt 420
 gtgtgtgtgt gtatatatat atatatgcac gctgtgaaac ttgactacac aacataaatc 480
 actttttt 487

<210> 1264
 <211> 250
 <212> DNA
 <213> Homo sapien

<400> 1264	
ctgcttcaac agagtggcag caaccaagct ggagtccaag ccccttgata aaaggcagcc	60
aatccttctg tctgtcatca aacgtttctt tacagcatta ttaaaaagga tcctgagggt	120
gttcttcaca gtttctatct caaaacctgg aaagagtttc tccacattgt catagagggc	180
gtgcaggggt tcatcccagc agtgatgata tttaaccatt tccacggatg caactttgcc	240
atttggtttt	250

<210> 1265
 <211> 394
 <212> DNA
 <213> Homo sapien

<400> 1265	
aaatatttgt tccaaccttt ttcgttggtg gcatttatgg ctttgaggca ctgtcaggcc	60
catgttcatt accgtgagct cctgtgcac tcctaatttc caaactagcc tggaaaacgc	120
ctccattgac catgattggt tcatggctct gtgcatggaa catcatatgt tcaggagat	180
aaagaactct gatagtggca cctgggtaaa aagtacaatc cattatatct ggatatcaag	240
atcttttgca gttgaagaga ggtattgcc cagagaaaat tataggagca gaagaaagtc	300
aatgaaagtc aatgatgaca ctccattagg aaccagaaag atggtattta ttatacata	360
taataggtgt aagagattag aggaagcctg tcac	394

<210> 1266
 <211> 229
 <212> DNA
 <213> Homo sapien

<400> 1266	
ccacagtgtg atcatatagc atctctaaca tttcatctag gattatctag tatagatctt	60
actatatttg gggctatgtt gtatacaatg ttaacaagaa catatcttct ctgcatatat	120
gtgtgaatta taaagaaaag catgagaatg actctaagtt caacaaacat ggggtgaatct	180
ctatgtgctc ccagtgtcct ggatgggctc ccagcaagc cattcctcc	229

<210> 1267
 <211> 722
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(722)
 <223> n = A,T,C or G

<400> 1267	
aaatcttatc aactttccaa attttcatac taaaatatat tattgtatta atacaaacta	60
cagtattata cactacactg tgtaataaat aaagaaatat aaaaataaga cacataaata	120
taaaagtttt ctaaaactaa aagtacatat gtcagtaaga agggatttaa tactgccagg	180
tttgaagaca tacagtacaa aaatgttgca cagatctata aactaaaaga aataaaataa	240
tactgatagg taaaaatcag ctaatgttgt taataaattg ggtccataat aactaacatt	300

tggaacagct	tatgagccaa	ataacaatag	catgtccatg	tctgaaatgc	aagtacatgg	360
ataaagcaga	ttagaaaatt	tccctttcgt	ttctgtagag	aaattctgaa	aatcaatcaa	420
cataaaatca	ataccgagga	attgaaggat	gaaatgtccc	agtgtttcag	tttctctgac	480
agagtcagtg	gttttaagtt	ttatttggga	atthttgatac	aagagacaaa	tcaacaaatg	540
ctagttattg	taggccacac	attggatgaa	ggcgggttag	agccttgaaa	atactgagaa	600
atggcactta	cagcacacag	gtcttgctta	agggcaaagg	agatacaaag	cttcatgnca	660
tatccttcat	atggtaccac	atattcaaac	accatcccaa	cactgatctg	atgattttgc	720
tg						722

<210> 1268

<211> 407

<212> DNA

<213> Homo sapien

<400> 1268						
gatgacacaa	gcagctaata	accattttctg	ggttttctgcc	taaccccccta	attgtctgtt	60
aaagccaatt	ctctgggtgt	cccagtgagt	gggtggctttt	tttctttcca	cattggcaca	120
ttcacttctc	ccactcttgg	catgtaagaa	ataagcattt	acataattgg	aaaaatctgg	180
atttctgatg	ccaaagggtt	aaagcttctt	ggatttcatt	tcattgatat	acagccacta	240
ttttattttt	gatcagtggc	ctttggggcca	ctgttcaggg	tactgaccat	cagtgtcagc	300
attagggttt	tgggttttgt	ttcttttggg	tatttctttt	ttggcacatg	tgaatcttgt	360
tttgtgtaaa	atgaaattac	tttctcttgt	tctctgatga	tgggttt		407

<210> 1269

<211> 675

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(675)

<223> n = A,T,C or G

<400> 1269						
ctgaaaaaga	gtgatcctca	atatacctaac	taactgggtcc	tcaactcaag	cagagtttct	60
tcaactctggc	actgtgatca	tgaaacttag	tagaggggat	tgtgtgtatt	ttatacaaat	120
tttaatacaat	gtcttacatt	gataaaaatc	ttaaagagca	aaactgcatt	ttattttctgc	180
atccacattc	caatcatatt	agaactaaga	tatttatcta	tgaagatata	aatggtgcag	240
agagactttc	atctgtggat	tgcgttggtt	cttaggggtc	ctagcactga	tgctgcaca	300
agcatgtgat	atgtgaaata	aaatggattc	ttctatagct	aatgagttc	cctctgggga	360
gagttctggt	actgcaatca	caatgccaga	tgggtgtttat	gggctatttg	tgtaagtaag	420
tggtaagatg	ctatgaagta	agtgtgtttg	ttttcatctt	atggaaactc	ttgatgcatg	480
tgtttttgta	tgggaataaat	tttggtgcaa	tatgatgtca	ttcaactttg	cattgaattg	540
aaattttggg	tggatttata	tgtattatac	cctgtcacgc	ttctagttgc	ttcaaccatt	600
tataccattt	tnacatatt	tttacttgna	aatattttacc	tnccccggcc	ggccgtcgaa	660
agggcgaaat	tcaac					675

<210> 1270

<211> 268

<212> DNA

<213> Homo sapien

<400> 1270

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acatggagat tggcacttct ctgtttgatg aagagggagc caagattgtc aaagacctaa    180
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acaagtttga tgagaatgcc aagactgg                                     268

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<210> 1271
<211> 307
<212> DNA
<213> Homo sapien

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<400> 1271
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tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaatttttag    180
tggacaataa cacatggaat aatacccata tttctcgagt agggcaggca atggcgcca    240
cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt    300
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<210> 1272
<211> 798
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(798)
<223> n = A,T,C or G

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caccagctat tttcaaaatt tgggaatgta acaattgat atatttattg tatgttggct    300
agcagttcat ccttctgcaa aatatgcatt cagagaaatg tgaagcttgt tttaatgaag    360
acttaaacca tttgtgtcat ttgtgttttc atattcaaat acaccaaatt aaaattctga    420
acctatatatt ttcattcatta acttccta ataccagaac atataccttt ttcattgtaa    480
gttggaatg ggatatggca gttttatttt tgaaaaatat gtaacatgac tttaatattt    540
ttatagtttt cagaattaga aacataggaa gggaaaatgt ttttaattaga taagtcaact    600
ttttatgggc tgnagtggng actataatag caaattataa agcattatta aatgggtata    660
ataattttta tattacctca ttatgaatta actaaaataa agnggagtga tatttttaaat    720
gggtgntcat actggagctc ctgagatata tgatttgcta ttgactcact ggntgattga    780
ataatatatt actcgcgg                                           798

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<210> 1273
<211> 664
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(664)
<223> n = A,T,C or G

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<400> 1273
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 caaaagttaa cctttagcct ttgtgtaaaa taaatgggtgc caacaatctt tataatgtag 180
 caagctttcc ctgtttaata tccaaaaaat ggaggggtggg gaggttgaag aaaaaataaga 240
 aaagtttagca aataagatag tgaaaagacc aatgcagaga aaagtttatg taatcaaadc 300
 ttgctttgtc tccacattat cacattttta gtggataaat ttatgtaaac agaaaaagat 360
 gtccacaaaa ccatatctat agatgtcatt tgggaagcatc aagaaattga taagtatgtg 420
 gtgaattaaa attactttta taatgttttg ctttcattaa tgtttgttat tgcaaaaatg 480
 taagatttcc tacaattttg tcttcaaadc ccaatctagc ccttcaaact tttatccagg 540
 ttctccagaa tatttggagt ctttggtatc aaagcacaag gaaagctggc attcattatc 600
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<210> 1274

<211> 153

<212> DNA

<213> Homo sapien

<400> 1274
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 ccggagtctc tgggtgtacc tcttaccagt cag 153

<210> 1275

<211> 504

<212> DNA

<213> Homo sapien

<400> 1275
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 ggcaataaga aaggaagaaa gccttgctag aaataataaa taatctcacg caaaaggcca 180
 ggtgacataa gaataactaca ataatacaata tgttttcttt gtattttacaa taaaatccat 240
 ctgttaacac tgtgatagaa aaaataatca gtccacatca tgaataaaaa acaggctttg 300
 aggatgatta tacctcttat aataaaaaaca tacaaggatt totcacagct aaagtacttt 360
 tcaactttga caactaatga cagtcatggg tgaaggtaaa actgacagag tacttttagat 420
 cagctatgtc ctacagtcaa ggaatcaagg gcattaccca tttaccaagc agcaaaaagc 480
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<210> 1276

<211> 533

<212> DNA

<213> Homo sapien

<400> 1276
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 gttgcattga aaagggcgca atcagagctt gcagctcatc agaaaaaat tctccatggt 180
 gacaaccata ttggtatctc aattgcgggg cttactgctg atgctagact gttatgtaat 240
 tttatgcgtc aggagtgttt ggattccaga tttgtattcg atagaccact gcctgtgtct 300
 cgtcttgtat ctctaattgg aagcaagacc cagataccaa cacaacgata tggccggaga 360
 ccatatggtg ttggtctcct tattgtcgtt tatgatgata tgggccctca cattttccaa 420
 acctgtccat ctgctaacta ttttgactgc agagccatgt ccattggagc ccgttcccaa 480

tcagctcgta cttacttgga gagacatatg tctgaattta tggagtgtaa ttt

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<210> 1277

<211> 78

<212> DNA

<213> Homo sapien

<400> 1277

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<210> 1278

<211> 560

<212> DNA

<213> Homo sapien

<400> 1278

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acttattact	aaagtaatta	accctaaat	agatgctcct	caacagtggg	actacatcct	300
ggtaaacctt	tcataagttg	aaactatcaa	gttgaaatgc	atttagtacc	cggataaacc	360
tatcataaag	ttgaaaattt	gtaaattgaa	ccagtgtaaa	tcagaggcca	tcttacttca	420
tactcatgaa	gcaactatag	tgggatattt	ttcaacttac	gagatagcct	aggcttggtg	480
aaacactgtc	ctaatttact	ggctctctg	taattaagtc	ataaatggtc	aaacatcaaa	540
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<210> 1279

<211> 580

<212> DNA

<213> Homo sapien

<400> 1279

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atggtaattt	tatccactag	caaactctga	tttagtttga	tagtggtgtg	aattttattt	180
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tctgaagtgt	ccatcagttt	tactaatctt	ctgtgaaatg	catagatatg	cgcagtgtca	300
actttttatt	gtggtcttat	aattaaatgt	aaaattgaaa	attcatttgc	tgtttcaaag	360
tgtgatatat	ttcacaaatg	cctttttata	gtcagtaatt	cagaataatc	aagttcatat	420
ggataaatgc	atttttattt	cctatttctt	tagggagtgc	tacaaatggt	tgtcacttaa	480
atttcaagtt	tctgttttaa	tagttaactg	actatagatt	gtttttctatg	ccatgtatgt	540
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<210> 1280

<211> 307

<212> DNA

<213> Homo sapien

<400> 1280

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atttgctctc	ttcctttttt	tgcctaactc	atcctttact	tccattcctg	cttccatggt	120
aatgcaggct	caaataaatt	actaggatac	aagattactt	caagcctctt	ttctgtggaa	180

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ctcataatat gataagcatt tgttacaaga ttgcctgtag ttgttttaggg gataaattat 240
attagggaaa gaaagtcttt ctttagttgg ttaaattttc tattataatt gggtactaaa 300
tttatttt 307

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<210> 1281
<211> 235
<212> DNA
<213> Homo sapien

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aggatgttaa tgagaaaact gactagattt cagatcacag attttaagag aacaaggatc 120
tcaaaaccaa atacctctctg cttaaagtgt tttttgtgtt tttcactact gaaaatgttt 180
agagattgac ttacctattg ctgatactca aaacatctga tatcttaata ttttt 235

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<210> 1282
<211> 230
<212> DNA
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<220>
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<222> (1) ... (230)
<223> n = A,T,C or G

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agcacactgg cggccgttac tagtggatcc gagctcggta ccaagcttgg cgtaatcatg 180
gtcatagctg attnctgtga ggtaccagat tgccctgtagt tgtttagggg 230

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<210> 1283
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<212> DNA
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tttgcttata aaaaaagtgc aaaaaagatg tggtttacaa gttaaagcta cagaatccct 240
ttttgctgta attgcaccag ttttaaagcc tctggacaga gcagtatttc gtttaaaact 300
ttgttyttct taaaagctta cagtgtttgg ctaattctcc tcyocttttt acaagacggg 360
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attgaagtgt aaacatggag aaattagggg ctgatttttt aaactgtgtg agatattaac 480
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<210> 1284
<211> 745
<212> DNA
<213> Homo sapien

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1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 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34

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 <222> (1)...(745)
 <223> n = A,T,C or G

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 cacaagagaa gttaatttct taacattgtg ttctatgatt atttgtaaga ccttcaccaa 180
 gttctgatat cttttaaaga catagttaa aattgctttt gaaaatctgt attcttgaaa 240
 atatccttgt tgtgtattag gtttttaaat accagctaaa ggattacctc actgagtcac 300
 cagtaccctc ctattcagct ccccaagatg atgtgttttt gcttacccta agagagggtt 360
 tcttcttatt tttagataat tcaagtgcct agataaatta tgttttcttt aagtgtttat 420
 ggtaaaactct tttaaagaaa atttaatatg ttatagctga atcttttttg taactttaaa 480
 tctttatcat agactctgta catatgttca aattagctgc ttgcctgatg tgtgtatcat 540
 cgggtgggatg acagaacaaa catatttatg atcatgaata atgtgctttg taaaaagatt 600
 tcaagttatt aggaagcata ctctgttttt taatcatgta taatattcca tgatactttt 660
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 taaactttta aaaaaaaaaa aaaaa 745

<210> 1285
 <211> 190
 <212> DNA
 <213> Homo sapien

<400> 1285
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 atagtaatca attacggggt cattagtcca tagcccatat atggagttcc gcgttacata 120
 acttacggta aatggccgcc accgcggtgg agctccagct tttgttcctt ttagtgaggg 180
 ttaattgcgc 190

<210> 1286
 <211> 153
 <212> DNA
 <213> Homo sapien

<400> 1286
 ctgcatcttt ctacaattct accagcaata tatgagggtt acaatttctc yccatctttg 60
 tgaacgcttg ttagagtctg tcctcttttc ttccattctg tgggttggtt ttttactttc 120
 taaatggtag aaccttcaaa gcacaaaggt ttt 153

<210> 1287
 <211> 232
 <212> DNA
 <213> Homo sapien

<400> 1287
 aaaaacacaa aacactagaa cagttgctat gaaattactg ataattgatcc ctttaataaa 60
 ctgcaattaa ccactaatat agaaattcaa ttttaagcaag aagttttata tattatactt 120
 tacagaaaaa aataattttg aaaaagtaat gmcaaacaga gatcaaacaat ttagggcatt 180
 agttactgca ttctcttttt agaataata ttaagtaaca ctagtaaaat tt 232

<210> 1288
 <211> 90

<212> DNA
<213> Homo sapien

<400> 1288
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tccttgthttt ggtatattgt aaaataattt 90

<210> 1289
<211> 670
<212> DNA
<213> Homo sapien

<400> 1289
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gcatagttaa ataaatactg aacactgagt tttaatactg taatacattt caatataaaa 120
taagagggtga atgttaaaaat actgtattac atgttgaata catttatctg aaaatgttat 180
aaaaaaaacac acatgtaagc tctgatttca gggaagaaaa attcattttt gtaattttcc 240
atagtttaag atttttaccac agaacttatt catagtthta gatgcaatta ggttgcaaac 300
tttcaaagaa aggggtgtagg tgtattaatg aaacagtcac ttaaactacta cattctaaaa 360
caatctattc tggatgaatg gcaactttga gctatcaccg tgtttcagat ttagaacggg 420
acctgccaaag ttcagatatg caaaggaatt gtccaattct tactaccctt tataaaattc 480
agactcactt tctctgagtc agactthttct ccgtcatatt ttctaggaag ggcaaattcc 540
atctthttgtg aaatgggtca ttaggctthta tcatagggat gthtttctact gttgaaatca 600
gataaaagaa tcccaaataa atgatgctgc taaattacca aactgctaga gattaaaaaa 660
atthttthttt 670

<210> 1290
<211> 352
<212> DNA
<213> Homo sapien

<400> 1290
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accatctatg aaccaatcag tataaaaaat ttctataaaa acaaaattta gacagtggct 120
caagaaaaca agctgccatt tatgcataga ttgatgtaca gtaacctaac caaatgtccc 180
thtttgaattt tcaagttact gaaaaaaaat gtgtcgagaa acacattaag aaggcacatg 240
tacagtctac aatactcttc agtctcccta actcatgccc tgcccctata aaggaaatat 300
gttcacaatt ttacttgaga aaaaaaaca aagccactta aaaaaaaaaa aa 352

<210> 1291
<211> 99
<212> DNA
<213> Homo sapien

<400> 1291
aaaaattatt taaggtaatg gtgttacgaa tggthtaaaa atgtctgggtg acttgcttat 60
thttaagtga tcaccattaa gtcagaaaaa tgtattthtt 99

<210> 1292
<211> 295
<212> DNA
<213> Homo sapien

<400> 1292

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caagtgattt	tatctgcac	aagtaagggt	agtgaccacc	acgaaagagg	aatccccaga	120
cctcctaggg	actaagaaat	atttcaaagg	ctatgcaa	atagaacaaa	aagctttcaa	180
tttagtctaa	ttgggtatcta	tttttcatct	atattaattt	ggaaataagt	tgctacctta	240
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<210> 1293
 <211> 256
 <212> DNA
 <213> Homo sapien

<400> 1293						
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aaagacaggg	tggtccaatg	aattcactca	ggtttctctt	tgagggtcag	agaattgctg	120
ataatcatac	tccaaaggaa	ctgggaatgg	aggaagaaga	tgtgattgaa	gtttatcagg	180
aacaaacggg	gggtcattca	acagtttaga	tgttcttttt	attttttttc	ttttccctca	240
atcctttttt	attttt					256

<210> 1294
 <211> 90
 <212> DNA
 <213> Homo sapien

<400> 1294						
aaaatactta	gctttattaa	agacatggta	ctaaaaataa	cagattccaa	catttgctct	60
atttctactt	atatatcata	aataagacag				90

<210> 1295
 <211> 519
 <212> DNA
 <213> Homo sapien

<400> 1295						
ctgtcgcttt	atcagtgcta	tatttatctg	gaatatagag	gctcctttta	ctgtttttta	60
ggtgctttgt	gctaaggatg	aagatacaat	tctcagctc	ttggtagact	tttgggaagc	120
tcagctagt	gcatgtctcc	cagatgtggt	acttcaggaa	ctctttttca	aactcacatc	180
acagtacatc	tggagattgt	ctaagaggca	gcctcctgac	accacacccat	tgcgaaacatc	240
ggaggatctt	attctcctgg	tcattccttg	gtagatattt	ggaataaaaat	aatcacactg	300
actgtgattg	ggtagatcac	attccatatt	ctcctgtgag	tctcagaaga	tgcttcattt	360
tgtagaacgg	tgtaagtgg	ttccattcca	gcatgaatgt	ggtcgggtcac	atggcagtg	420
agtaaccaa	ttccaggtgt	tcttggaac	atttctaggg	tttggtatgt	tccagggaaa	480
atgtcaaaga	catcagaact	ataaactccc	ctgtgcttg			519

<210> 1296
 <211> 419
 <212> DNA
 <213> Homo sapien

<400> 1296						
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ccatgagaag	tatgttcact	tggtgacaac	aaagagactc	cgtatcatat	gtatgttaat	120
gaccagattg	ttcatatggg	atttttctta	acagattatc	aggttgagaa	tgattctttt	180
tctccaaggg	caagaaaaag	ctggcta	gctagtta	taaatccatt	ctcaattttg	240
aactgtagag	aagaacctga	cttgaatgag	atttttctaaa	ggaagacatt	tcttgctcaa	300

cctcaggtat	aattagatta	taaggaatct	cacgtccaga	atcttatctg	ctgattgtta	360
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<210> 1297
 <211> 199
 <212> DNA
 <213> Homo sapien

<400> 1297						
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ttttggcttg	gaagtttctt	ctgttgtctt	tgctgaatcc	ttcgctttac	ctccattctt	120
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<210> 1298
 <211> 484
 <212> DNA
 <213> Homo sapien

<220>
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 <222> (1)...(484)
 <223> n = A,T,C or G

<400> 1298						
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ctgttaatca	ttacaactcc	tttgtgaaac	atgggactgg	ttgattaccc	agtgtaatca	180
ctggctgaaa	cctcagcaca	ctgtttttca	ccccagtggg	ggcagggttt	cacctccctt	240
ctagctgtac	ccctctctta	atgcccata	tagagaaact	tgatcttctt	tctccactag	300
aaatgttcac	tttcatcagg	taagggataa	aacaaaaaca	agagacagaa	gatcttaaaa	360
aaaaaaatag	taatagggca	agtaaaactc	gtgagggttag	aggaatttgt	ttggggggca	420
ttctatgttg	ttagytncat	atcatgttca	gtttgntggt	tctaganccc	tctgaaatgc	480
atta						484

<210> 1299
 <211> 419
 <212> DNA
 <213> Homo sapien

<400> 1299						
aaagtccatc	tttgcaaatt	atacgttgct	ataaatacat	tgtgtatttg	gcattatgtg	60
aatttggtta	atccagtgtc	aattgtctaa	tggtctaaag	tgtccatttg	aagttataat	120
ctggatgaac	tgaacaataa	gagaagtttt	cttcatttag	ccaattgttt	atcactcaat	180
tcctactcct	gcccattggt	tcttccacct	tcctctggag	aacataaaga	gattctagat	240
ctctgtataa	ggtggtttgc	tttagcttga	aatcatcagt	gaggattata	catgggcaat	300
gtccagaaat	cacattattg	ctcatagacc	gtgtagtctt	gatctaacgg	ataactgtac	360
attgtcttca	ctaagaagct	agggtgggtg	tccttgatat	tgggacattg	tagacttgg	419

<210> 1300
 <211> 182
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(182)
 <223> n = A,T,C or G

<400> 1300
 ccntngaatt gtgtgcatag ggaagcactc acccaatgag actttctcca atgtggactc 60
 tgtgtgtcag ggaatgaatg tagaaaaatt cactttggag ggttatcack tcaactagta 120
 agaagcatta atattattaa agtgaagaaa ctgcagagaa aattacagaa caaaactgta 180
 gg 182

<210> 1301
 <211> 312
 <212> DNA
 <213> Homo sapien

<400> 1301
 aaagttttta tctctgctga ggcttcacat ctgtttgctc aattttatatt ttatttcaat 60
 ccttgagcat gtttataata tagtagtata cccttattgt ggctttactt tctcacttt 120
 cagtcaccca cagtcacaaa atataaata taaaactcca gaagtaaaaca gtttataaat 180
 ttttaagtcac actttgttct gaggaatgtg atgcaacctc ccgccattct gctgtatcca 240
 gttcaggatg tgacataccc ctttgctcag cagatacaca attcctgctt cctgctcatt 300
 agacatttgc ag 312

<210> 1302
 <211> 109
 <212> DNA
 <213> Homo sapien

<400> 1302
 attcttagat tatatgtgtc catctttgca gctttctgag agtaatttta tttgttgtct 60
 tctgaaatgt acatgtatac atgtacctac tgagtgtat gtgattttt 109

<210> 1303
 <211> 330
 <212> DNA
 <213> Homo sapien

<400> 1303
 ccagagttac ttggatcagc atttaggaaa gtaaaatata gtggaagtaa aactgactca 60
 tccaactaga cattctacag aaagaaaaat gcattattga cgaactggct acagtaccat 120
 gcctctcagc cagcccggtg gtataatatg aagaccaaata gatagaactg tactgttttc 180
 tgggccagtg agccagaaat tgattaaggc tttcttttgt aggtaaatct agagtttata 240
 cagtgatcat gtacatagta aagtattttt gattaacaat gtatttttaac aacatatcta 300
 aagtcacat gaactggctt gtacattttt 330

<210> 1304
 <211> 170
 <212> DNA
 <213> Homo sapien

<400> 1304
 ccactgtagt ctgcatatcc ctgtccatat ccatagttcc catagttata cccagtataa 60
 tcatatccgc catagccact atagttttga tcaccaccat aggactatt gtaattttcca 120

tatccttgat cataatagtt attaaatcct tggttccagt tttggccctg

170

<210> 1305
 <211> 468
 <212> DNA
 <213> Homo sapien

<400> 1305
 aaaaataaat atttatactc cagcttttgt gtatttggtg tacatcacca cttatgcaaa 60
 tcaaggatca gaaaactgga ggtagccat ctccattatt tccttttgca cattgggtac 120
 agtgggtggc attagtatgc actagctgca aagtcacagc accttatgga aataagtatg 180
 tttattataa taaaaaaaaaag ttaagctgca tctctgtaga ttatttactt tgcagactgt 240
 aaagctgccc tatcttttcc agcagaattt actcttccat tcttaattct tttttgaaat 300
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 ggatttttatt ttttcccaaa agggttccat ctttgcctatc tgttgatcag ccttagaaaa 420
 tctaagtatg atcaataaat tttaatggtt gatggcatcc tgtgtcag 468

<210> 1306
 <211> 326
 <212> DNA
 <213> Homo sapien

<400> 1306
 tggtaaagaa ctacctgtta atgcacaaaa ctatgtgcga tttattgaag atgagcttca 60
 aattccagtt aagtggattg gtgttggtta atccagagaa tctatgattc aactctttta 120
 atgattgcc a gtaatgcaag aaacactcct tgagagggag gggaaaagac tttcttaaat 180
 atttcattta tgacctgcaa attcaagaat aaagacactg aagtaagttt gaagccctac 240
 agytgtttcc agtcttttca gatggatgcc tactgtggag attaaactttg gcatattcca 300
 gtgtcagctt tctttagctg gaattg 326

<210> 1307
 <211> 614
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(614)
 <223> n = A,T,C or G

<400> 1307
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 ttttgtaaat gccaaatgaa aaacgttttt tgctgctatg gtcttagcct gtagacatgc 120
 tgctagtatc agagggggcag tagagcttgg acagaaagaa aagaaacttg gtgttaggta 180
 attgactatg cactagtact tcagactttt taattttata tatatataca ttttttttcc 240
 ttctgcaata catttgaaaa cttgtttggg agactctgca ttttttattg cggntttttt 300
 gttattggtt gtttatacaa gcatgcgttg cacttctttt ttgggagatg cgygtytgyt 360
 gatgttctat gttttgtttt gagtgtaggc tgactgtttt ataatttggg gagttctgca 420
 tttgatccgc atcccctgtg gnttctaaag gggatggnc cagnaactg ttgcatggat 480
 cctgtgtttg caactgggga ggacagaaac tgggggtgat agccagtcct gccttaagaa 540
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 aaatcccang cacc 614

<210> 1308

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<211> 304
 <212> DNA
 <213> Homo sapien

<400> 1308
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 tttcagcact agccaaacct caccaactcc tagttctaga aaaacaggca cttggcagcc 120
 ttgtgatgtc atacagagaa gtcacaggca gtacctgagg gtctgtaggt tgcacacttt 180
 ggtaccagat aacttttttt ttcttttataa gaaagcctga gtactccaca ctgcacaata 240
 actcctccca ggggttttaac tttgttttat tttcaaaacc aggtccaatg agcttttctga 300
 gcag 304

<210> 1309
 <211> 289
 <212> DNA
 <213> Homo sapien

<400> 1309
 gggattttcca attaacagta ttaccagata aatattcttg gtccaagcag aaaatatcaa 60
 caaaaagagc cttctttctcc tgtaaatctt aaatgcctac atcactcttt atgatacatg 120
 gatcatctta tgtggatact taaatttttc atgtctgctt cttttgcctc tcccaactat 180
 actatgagga aattcggaac aaagacattt ttgtaatat tcttatctcc ttcacaccta 240
 gtatagagct gattttacia aggcatttaa gagatatttg aattgattt 289

<210> 1310
 <211> 534
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)... (534)
 <223> n = A,T,C or G

<400> 1310
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 atttaagact gataatttta caattttatat gcttcacata gcatgtcaac ttttgactaa 120
 gaatttttgtt ttacttttttt aacatgtggtt aaacagagaa aggggtccatg aaggaaagtg 180
 tatgagttgc atttgtaaaa atgagacttt ttcagtggaa ctctaaacct tgtgatgact 240
 actaacaat gtaaaattat gagtgattaa gaaaacattg ctttggtggtt atcactttta 300
 gytttgacac ctagattata gtcttagtaa tagcatccac tggaaaagggt gaaaatgttt 360
 tattcagcat ttaacttaca tttgtacttt agagtatttt tgtataaaat ccatagattt 420
 attttacatt tagagtattt acactattga taaagtgttg aaataatttt ctaagacagn 480
 ttttatatan gctacagggt gccctgattt tcttattgaa tttggttaga ctag 534

<210> 1311
 <211> 114
 <212> DNA
 <213> Homo sapien

<400> 1311
 aaaatttgta ggagttgtag actacctaaa tttttaagtt atggyatttg gtcatagggt 60
 gactgggttag gtaaagaagg aaacagacaa gaaaatggct tcttgagggtg gcag 114

<210> 1312
 <211> 95
 <212> DNA
 <213> Homo sapien

<400> 1312
 gggcggggtaa aggtaggccg cgagagcgag gttaggagag gataggaggc cgcagtactg 60
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<210> 1313
 <211> 519
 <212> DNA
 <213> Homo sapien

<400> 1313
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 acgtttgggt tctgaataaa ttgaactaaa tccaaactat ttcctaaaat cacaggacat 180
 taaggaccaa tagcatctgt gccagagatg tactgttatt agctgggaag accaattcta 240
 acagcaaata acagtctgag actcctcata cctcagtggg tagaagcatg tctctcttga 300
 gctacagtag aggggaaggg attgttgtgt agtcaagtca ccatgctgaa tgtacactga 360
 ttcctttatg atgactgctt aactccccac tgcctgtccc agagaggctt tccaatgtag 420
 ctcagtaatt cctgttactt tacagacagg aaagttccag aaactttaag aacaaactct 480
 gaaagaccta tgagcaaata ggctgaatac tttttttt 519

<210> 1314
 <211> 518
 <212> DNA
 <213> Homo sapien

<220>
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 <223> n = A,T,C or G

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 ggaaaggaag tgaagacag gcagagtga cgtatcgag ggagaacttc gattctgcgg 180
 gatggcatca ctgcaggga ggctgctctc cgaatacaca acgtcacagc ctctgacagt 240
 ggaaagnact tgtgttattt ccaagatggn gacttctacg aaaaagccct ggtggagctg 300
 aaggttgtag gtgagcctcc aggttttgnt ctgagaacac ttctctgtag gatctanagc 360
 agatgcagag tccctcttcc aaaagtactg cagacactcc tggctgctca ctagcaatng 420
 tctgcactgc ctcccaactn agcttctctg caacccttaa gaaagacaca ttctttcttt 480
 agaaagaatt cctgctgnac cttacatgcc gaagtaaa 518

<210> 1315
 <211> 360
 <212> DNA
 <213> Homo sapien

<400> 1315
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 acttgagagt ggaacctcct atatcattat ttagcaccgt ttgtgacagt aaccatttca 120

gtgtattggt	tattatacca	cttatatcaa	cttatttttc	accagkataa	watcttratt	180
tytacgacct	atcattctga	atcaagmaca	ctgtatgttc	agtaggttga	actatgaaca	240
ctgtcatcaa	tggttcagttc	aaaagcctga	aagtttagat	ctagaagctg	gtaaaaatga	300
caatatcaat	cacattaggg	gaaccattgt	tgtcttcact	taatccattt	agcactattt	360

<210> 1316

<211> 277

<212> DNA

<213> Homo sapien

<400> 1316

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actataggwc	tctggcttga	gtmtttacgt	tcatttctta	ttgctggaat	ktcatatttc	180
ttcttggttg	atgactaaac	cggatgatgg	tagagatggt	aagccggcat	ttactcagcc	240
ccgccctgct	cagcctcggg	agcggacgaa	ttctcag			277

<210> 1317

<211> 716

<212> DNA

<213> Homo sapien

<400> 1317

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aaatgaacaa	gacagatgag	ggagacatcc	tctctgatat	aagatacagt	cctctctggt	180
ggatggagtc	caatttgtgt	aacttccctat	gtattttcct	agataggacc	accactattt	240
gagaaaatat	ctcactggta	acctaagcc	aaggataata	aaccttgata	tacttaacat	300
tcaatttctt	tccagcaatg	tgataaataa	atctatcttg	tgtttctctt	gcagattgta	360
aaagcattag	aacatttaca	tagtaagctg	tctgtcattc	acagaggtaa	gcattccatga	420
gctgccttgg	ctgttccttt	gataaagtgc	atctctttca	cctggagtcc	gtctctaccc	480
ccagtccccc	atgggtggaa	gtagaattga	ctcaggcaag	agaactaagg	ggcttttcctt	540
tgagattgga	tagcaaacca	tataagtagt	attccttatc	atggctgagg	acataagaag	600
aagacgtgat	ctttgtctta	catccaaatt	gaatataaac	acttggttagc	aagcagagct	660
atgagatcat	atcattgaga	attttagaga	atatgataaa	aattgatctt	gtctgg	716

<210> 1318

<211> 515

<212> DNA

<213> Homo sapien

<400> 1318

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aagtaaccgt	cggcgaccct	caccagcaga	tttaccgttt	ccgtgggtgcc	gaagacgctc	180
tcaacagcga	ttggatggcc	gatgcagagc	gtcactacct	gaccagagc	tttcgcttcg	240
gtccagcagt	cgcgcagtgt	gctaaccatca	tactttttta	caagggtgaa	actcgaaagc	300
tgcaagggtt	aggcccaaaa	accaggtta	aacgtgcgct	tcctgaagac	ctaccgcac	360
gcacatacat	ccatcgacag	gttaccggcg	tcataagagaa	cgcgcttagc	ttggtagcga	420
gcaatccaaa	gatctattgg	gtagggtggca	tcgacagtta	ttcattgcgc	gacctggaag	480
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<210> 1319

<211> 141

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<400> 1323
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gcagtggctc	gggtgagatg	gtgagaaggc	gtggctgagg	gactcagagg	tccacagcag	180
cttagacctg	gagtcacctg	ttttggtctt	agttctgaca	ctttaatggg	cttggggaccc	240
tggagcaaaa	gttctcctct	gtgaagcgag	gatttcagga	gcgaggattt	caggactgag	300
gcagcctgtg	aagctgtgta	accgagacac	gcttttcctt	aggtatgccg	agcagacag	359

<210> 1324

<211> 258

<212> DNA

<213> Homo sapien

<400> 1324

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tmctcctgag	gaaagyagtg	atatggtagc	tggtgtggat	cccctaaagg	aattataaga	120
tggartgyga	rgaacattat	cttagactat	aakactgkct	gcatrcrgat	atgktstcra	180
agattattcc	tgctgcraat	aaagakmttg	skaaagagca	rtatasagct	atcacagtct	240
attgacccam	asatgttt					258

<210> 1325

<211> 534

<212> DNA

<213> Homo sapien

<400> 1325

ctgtccaatg	gcaacaggac	cctcaactcta	ttcaatgtca	caagaaatga	cacagcaagc	60
tacaaaatgtg	aaaccagaa	cccagtgagt	gccaggcgca	gtgattcagt	catcctgaat	120
gtcctctatg	gcccggatgc	ccccaccatt	tcccctctaa	acacatctta	cagatcaggg	180
gaaaatctga	acctctcctg	ccacgcagcc	tetaaccac	ctgcacagta	ctcttggttt	240
gtcaatggga	ctttccagca	atccacccaa	gagctcttta	tccccaacat	cactgtgaat	300
aatagtggat	cctatacgtg	ccaagcccat	aactcagaca	ctggcctcaa	taggaccaca	360
gtcacgacga	tcacagtcta	tgcagagcca	cccaaaccct	tcatcaccag	caacaactcc	420
aaccccgtag	aggatgagga	tgctgtagcc	ttaacctgtg	aacctgagat	tcagaacaca	480
acctacctgt	ggtgggtaaa	taatcagagc	ctcccgggtca	gtcccaggct	gcag	534

<210> 1326

<211> 177

<212> DNA

<213> Homo sapien

<400> 1326

ctgcattatg	tgtgttttaga	acgagaagtt	gtttgtacag	tatttttcta	ttgaccgctt	60
ccgtcttgcc	tgaacacctg	gcattctttc	caatagacag	aaaatcagag	agtcaaactct	120
gatgcgcaat	gagttgttct	gagaccagta	atccacgggtg	ctgcaatttg	ggttttt	177

<210> 1327

<211> 266

<212> DNA

<213> Homo sapien

<400> 1327

aaacttggtt	tatctaatac	tgagcactgt	ttttttgtca	agtatttttt	taagaccaca	60
taattctttt	tgtctgctca	aggaaaggat	agataaataa	ttggcacaca	tttgtttctc	120
actgaatttt	acagtagtaa	attaatgtta	taatgtacca	catggagatg	agttggtaag	180
aaatcatcta	gttccagagc	ccagggatta	taaacagtag	gtgaaataga	tttatgactt	240
acgaaatatg	ttgtgacaat	atattt				266

<210> 1328
 <211> 409
 <212> DNA
 <213> Homo sapien

<400> 1328
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 tatgtatgtg gaatccagaa ctccagttagt gcaaaccgca gtgaccagc caccctggat 120
 gtccctctatg ggccggacac ccccatcatt tcccccccag actcgtctta cctttcggga 180
 gcgaacctca acctctcctg ccactcggcc tctaaccat ccccgagta ttcttgccgt 240
 atcaatggga taccgcagca acacacacaa gttctcttta tcgccaaaat cacgccaaat 300
 aataacggga cctatgcctg ttttgtctct aacttggtta ctggccgcaa taatcccata 360
 gtcaagagca tcacagtctc tgcactctga acttctcctg gtctctcag 409

<210> 1329
 <211> 136
 <212> DNA
 <213> Homo sapien

<400> 1329
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 cttggcaatc tgtactgatg aagccatgga ccagaagaga agtgagtcaa tgaagagagt 120
 ttctcttttc acatgg 136

<210> 1330
 <211> 311
 <212> DNA
 <213> Homo sapien

<400> 1330
 ctgctaacag ccctaacggt gcaacacaag taaaaactca ggaacctctt cgactgccac 60
 gcccttcacc aacagaagga agacagtggc gccaccacaa gtggcagggc acaggggctt 120
 ctgtgacaac aatatgtcct tctagtatac attcattgca aaggctgccc tgaagtttcg 180
 tttttgaaa taactgttat catacatctt gtatgatgtt gcttgtgggc accatgaaga 240
 gagcctggct gtaaaggaca gagggagcta aaccaacaat gcatggccct gcgtgcccac 300
 aagaggagagc c 311

<210> 1331
 <211> 613
 <212> DNA
 <213> Homo sapien

<400> 1331
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 tgcccaagat gcatgtccag cataggcagg attgctcggg ggtgagaagg ttaggtccgg 180
 ctgagactga ataagaagag ataaaatttg ccttaaaact tacctggcag tggctttgct 240
 gcacggctctg aaaccacctg tccccaccct cttgaccgaa atttccttgt gacacagaga 300
 agggcaaagg tctgagccca gagttgacgg agggagtatt tcagggttca cttcaggggc 360
 tcccaaagcg acaagatcgt tagggagaga ggcccagggt ggggactggg aatttaagga 420
 gagctgggaa cggatccctt aggttcagga agcttctgtg caagctgcca ggatggcttg 480
 ggccgaaggg ttgctctgcc cgccgcgcta gctgtgagct gagcaaagcc ctgggctcac 540
 agcaccccaa aagcctgtgg cttcagtcct gcgtctgcac cacacaatca aaagatcgt 600

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<210> 1332

<211> 591

<212> DNA

<213> Homo sapien

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<221> misc_feature

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<223> n = A,T,C or G

<400> 1332

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acttctcttt	tgctagccac	agagttgctc	actgtggcaa	gcctgagctg	gtcagaacac	180
ctgtgtgtgt	gttctcgata	cacactaacc	acaataagca	agtctgcaca	catctctatg	240
agccccatgc	aaagacaaga	cattcccaaa	gatcagtcac	tagagtgcaa	caacgaaatt	300
caagatttga	ccaaaacaga	cctgctgcc	tcctaaattg	ccaattgcct	ctcaaaaact	360
tacagaaaaa	gggacattat	aagaattcat	agagggagag	aagaaaaagc	tgctactcct	420
agtcattagt	acaatgtgct	gtgttaatta	gatacctcta	tataaattag	aaaaagtgct	480
ttacttgcac	gcttcaataa	aatgaatact	gagtgtcgta	gtgttagatc	tgtacagata	540
taaatttttt	gcagctatat	aaaagtgtat	aagatgggct	tttgcatttt	a	591

<210> 1333

<211> 379

<212> DNA

<213> Homo sapien

<400> 1333

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tcaacaagct	accccgaggc	ccgcatgcag	tggtcgagag	acaatatacc	ccaatgcac	120
cctgctgac	cagaacgtca	cccagaatga	cacaggattc	tataccctac	aagtcataaa	180
gtcagatctt	gtgaatgaag	aagcaaccgg	acagttccat	gtatacccg	agctgcccaa	240
gccctccatc	tccagcaaca	actccaaccc	cgtggaggac	aaggatgctg	tggccttcac	300
ctgtgaacct	gaggctcaga	acacaaccta	cctgtggtgg	gtaaatggtc	agagcctccc	360
agtcagtcac	aggctgcag					379

<210> 1334

<211> 384

<212> DNA

<213> Homo sapien

<400> 1334

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tatcttaata	tatccccgaa	ctggtttaga	tagatacaaa	tagatttttt	ataataaaaa	120
attcacaaaa	gattggaagc	attctataat	gaaaatggta	gaaaagacag	tgtgagggaa	180
gccatggggg	ttgggaatcg	ggccctggag	gagaagcaga	gtttcaaagg	gctgagaata	240
gcatagtttc	actgtaaacc	aatgtctaca	gcttattggg	gtgggggcta	ctgagacgaa	300
agacaccaac	tcgtttctag	agggctaaga	actgcacttt	aagaaagggc	ggggaggtga	360
agggaccgga	gcaagaactt	tcag				384

<210> 1335

<211> 555

<212> DNA

<213> Homo sapien

<400> 1335

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ggatttactt	aactgaatct	tataacaatt	cgagggtgaac	tgtggcaatg	aaaaccagaa	120
acagttaatg	agatgcttca	gctcacagtt	tgaagtgtctg	agaacctaa	tattttgctg	180
tacggtactg	agctgtacca	aaatatgatg	gttttaggttt	atgtgcaaga	ctttgtgttg	240
tagtctagac	aaaggggtgg	gcaagagaca	tgcaaagctg	aagccctgct	tgaaaagacc	300
cttcaaggaa	gtaaaatggc	aggggcagag	tgcaagctta	catgttgcta	tccctgttgt	360
ttttgagttg	gttttggaat	ggattcaagt	tcttacacaa	tttattttga	atacaagcat	420
aatctaggtg	atttgagtta	atgaacttct	tttcatgatg	tagggaaagc	tgaatgtata	480
tatttctaag	aagaatttgt	ttagcagatt	acaagttggc	aaaatagact	gttcacagaa	540
actaggcaaa	aattt					555

<210> 1336

<211> 505

<212> DNA

<213> Homo sapien

<400> 1336

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aaaaggaaac	tgaaaagagt	gactccgtaa	cagattctgg	accaaccttc	aactatcttc	120
ttgatatgcc	cctttggtat	ttaaccaagg	aaaagaaaga	tgaactctgc	aggctaagaa	180
atgaaaaaga	acaagagctg	gacacattaa	aaagaaagag	tccatcagat	ttgtggaaag	240
aagacttggc	tacatttatt	gaagaattgg	aggctgttga	agccaaggaa	aaacaagatg	300
aacaagtcgg	acttcctggg	aaagggggga	aggccaaggg	gaaaaaaaca	caaattggctg	360
aagttttgcc	ttctccgcgt	ggtcaaagag	tcattccacg	aataaccata	gaaatgaaag	420
cagaggcaga	aargaaaaat	aaaaagaaaa	ttaagaatga	aaatactgaa	ggaagccctc	480
aagaagatgg	tgtggaacta	gaagg				505

<210> 1337

<211> 385

<212> DNA

<213> Homo sapien

<400> 1337

ctggtgctag	tcagagctaa	tgacagaatt	tcagtttaat	aaaaagaccc	ccaactgagc	60
acaccatctt	gaaaaaagta	tacttatcaa	acagctttca	atcagttcaa	gagagacacc	120
ttaattgggg	agaggaagaa	ttgcagagta	gtttgtaatc	atgccaattc	cagatcaata	180
actgcatgtc	tgttcttttg	tagaaatagc	ttttgcttta	tattaagtaa	tcacatatat	240
attctctcta	tttgataag	gaaaccttcg	ctttatttga	caatgtataa	tgatatactc	300
ttctaattca	cctctgtgtc	ttcacataa	acatgagtaa	aatttagaca	agtgatggta	360
aaggtcaata	taattattta	ttttt				385

<210> 1338

<211> 350

<212> DNA

<213> Homo sapien

<400> 1338

aaaggtgata	ttacacaaaa	cctcgtcttt	tgttcaactt	tggatccatt	ggcaattcaa	60
tggcctcaat	ctccccaaac	tcgccaaagt	actccctgat	ctttcctca	gtggcttcag	120
gattcagacc	cccaacgaag	attttcttca	ccgggtcctt	cttcatagcc	atggcctttt	180

taggggtcaat	gacacggcca	tccagcctgt	gctccttctg	gtctaggacc	ttctccacac	240
tggctgcac	tttgaacagg	ataaacccaa	accctcttga	ccgtccagt	ttgggatcca	300
tttttattgt	acagtcaacg	acctctccaa	atttagtaaa	atagtctttt		350

<210> 1339
 <211> 443
 <212> DNA
 <213> Homo sapien

<400> 1339						60
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cctgagtaat	catatcagga	tgcagtgtta	gctgataaaa	caataagatc	ccaaaatgca	180
gtagctcaaa	aaaagtagaa	gttaatttat	ctcctggggg	acagctctgg	ttctcaaatt	240
ttacaggctc	agaatcacct	gcagggcctg	tgaaagtaca	gattgctgcg	ctccgcccc	300
agagtttctg	atttagtagg	tgtaggctg	aaccaagaat	ttgcctttct	aacaagctcc	360
caagtgatgc	tgatgacttg	taggaatgga	tttacttcta	ggattagact	tcagctcact	420
ctgtttgctg	aactctttct	aatatttctt	aagttggtag	actcyctgct	ccaggttctc	443
aacgtgaagg	aaggaacccc	cag				

<210> 1340
 <211> 273
 <212> DNA
 <213> Homo sapien

<400> 1340						60
cctcaggaac	aggtaggggc	agcagaatag	aatagcatcc	atttcccaga	gaaagactgc	120
ctttacatkt	cccattgctt	tagcacaaag	cagcgtctgg	gccactgtta	ccagaggtga	180
gtttatacat	ttacaaaatg	cttaaaatct	ttgggaagca	agaggaagct	aaacagaagg	240
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agagtgttcc	ctctacaatg	tgtagagtgg	aaa			

<210> 1341
 <211> 561
 <212> DNA
 <213> Homo sapien

<400> 1341						60
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tcaggcccgg	ctaactctgg	caccccggt	cgaggacaag	tgagagagca	agtgggggtc	240
gagacttttg	ggagacgggtg	ttgcagagac	gcaagggaga	agaaatccat	aacaccccca	300
ccccaacacc	gccaagacag	cagtcttctt	cacccgctgc	agccgttccg	tcccaaacag	360
agggccacac	agatacccca	cgttctatat	aaggaggaaa	acgggaaaga	atataaagtt	420
aaaaaaaaagc	ctccgggttc	cactactgtg	tagactcctg	cttcttcaag	cacctgcaga	480
ttctgatttt	ttgtgtgttg	ttgttctcct	ccattgctgt	tggtgcaggg	aagtcttact	540
taaaaaaaaaa	aaaaaatatt	gtgagtgact	cgggtgtaaaa	ccatgtagtt	ttaacagaac	561
cagaggggtg	tactattgtt	t				

<210> 1342
 <211> 159
 <212> DNA
 <213> Homo sapien

<400> 1342

aaagatggca	aggcaataaa	tgtgttcgta	agtgccaaacc	gactaattca	tcaaaccaac	60
ttaatacttc	agaccttcaa	aactgtggcc	tgaaagttgt	atatgttaag	agatgtactt	120
ctcagtggca	gtattgaact	gcctttatct	gtaaatctt			159

<210> 1343
 <211> 76
 <212> DNA
 <213> Homo sapien

<400> 1343						60
aaaatgtaaa	gccaatctat	caccaaaaat	ggcataaatg	taaacacaag	ctaattttat	76
aatccactgc	tatctt					

<210> 1344
 <211> 726
 <212> DNA
 <213> Homo sapien

<400> 1344						60
caaaagcagc	ctgaatacgc	aactcacgcc	aagagggcag	cagctctcct	gacatccatg	120
taagaaggct	aacacctaaa	ccacacgcag	gcatacctgaa	ctcagcagct	ctgatccaag	180
gtactgagtg	gagacaaagc	actcggaggt	ggcaagatgt	tcagcaacca	agtaagacac	240
actggcaagg	catccccccc	aaaggtgaga	agcaciaaagc	aggcttggag	aaacaaacag	300
tcatgccagg	tgcagccaga	catcctgcta	taagccctga	ccctagtacc	ccgagttcat	360
caagtgcctc	ggtttttgtgt	ccataaagca	cagagggcac	tgaccacccc	aaaccagaat	420
cccaagggaat	ccttatggat	ggcatagggc	ctcagaactg	ctgcaggatc	atttcccttt	480
tcaggctcgtg	gctgaacttg	ttcatcctga	agagctcact	gtcataaaat	gcagagaggt	540
tgtggatggt	gatctgacga	gccttatcca	ccaagtcctt	mtcagggacc	tcaatagtgt	600
cctgctgggc	cccaaagcgg	ttgogctgat	atgtcacstg	ctctgccact	aactgcttca	660
gtatgaagag	caacagctca	ttgttgtcac	gccggaatga	aaggtagcgg	gcaaagctct	720
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gratgg						

<210> 1345
 <211> 742
 <212> DNA
 <213> Homo sapien

<400> 1345						60
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atttccccat	ctgagtggat	ttggacctaa	tagggcactg	gagctgggtc	gaatcctgac	240
tggactactt	ggcaacttta	tgtctgggag	caagttactt	aacctcccca	agcctgtgtc	300
tgtgaaatgc	gggtaaatga	atgtagatgt	ttggcagcag	ctactccttg	ttgagctctc	360
acagtgaact	ctcctgcctc	tgccctcctt	ccccgcctcc	cctgggtgcct	agcgtcaggt	420
ctagccactt	cctcctgggc	ccctctccct	tttctgtggc	tggctgcctg	cccgcctggc	480
gctggacctt	tcatgtaacg	ggaatcagca	tgtatatctt	ggctctgggt	gtttctacac	540
ttaattttgt	ttccagtagt	atttccctgt	accggcagag	ttcaciaaaca	catttgaaga	600
ggctttttct	caggattctt	aaccttccaa	aggaagtccc	atggatgggt	ttctagaagt	660
ctataaatgc	tctgaaattg	tatttttctg	tggaaaagca	taacttttat	ctgcttgggtc	720
gtgctcaaaa	aaagatcatg	aatggaatga	attgcattga	atttttatgcc	attggggggct	742
taactactaaa	aggatatgga	ag				

<210> 1346

<211> 573
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(573)
 <223> n = A,T,C or G

<400> 1346
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 atcataagca gaggagcatc tgtattgcbt aatttgactg gcacagttaa ttaggttctg 120
 ttcagtgtt tccgtcaaca agatgtttat tgtgtgagta aacaagttaa gccctgtgac 180
 aagctgaata agaatagtct ctccctcagca gcttatagta aacaagggtta gtaatcctta 240
 cattagtggc tagactatca aacgaaatat ataacatgta agaacactaa agacagaatt 300
 actgtggcat agagatagtt agaattgcbt cagcctaaga gatgaattag gtaatgcaag 360
 gaggtgaata tgttggcctg caatatgaac aaggcagaga gctgggagag taagatgtaa 420
 gttgctaagg agggatgtgt cttgagtttg gaaaccataa agggaaatca taggtaatgc 480
 tagagtcact gatcttangg agccttgaat aacggtgatg actaagggaa tctttatttt 540
 gnggggacta ttggaattaa attggccaga att 573

<210> 1347
 <211> 333
 <212> DNA
 <213> Homo sapien

<400> 1347
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 ctgtgagcac cacgtcaacg gctcccggcc cccatgcacg ggggagggag atacccccaa 120
 gtgtagcaag atctgtgagc ctggctacag cccgacctac aaacaggaca agcactacgg 180
 atacaattcc tacagcgtct ccaatagcga gaaggacatc atggccgaga tctacaaaaa 240
 cggccccgtg gagggagctt tctctgtgta ttcggacttc ctgctctaca agtcaggagt 300
 gtaccaacac gtcaccggag agatgatggg tgg 333

<210> 1348
 <211> 185
 <212> DNA
 <213> Homo sapien

<400> 1348
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 acagttaaaa gggacagctt acttgctctc tgtctcaggt ttaacttctc acctgaaatc 120
 tctcatagcc ctaattaaac acaaacaaaa gtctcttcca tagataggct acttctcagc 180
 ttcag 185

<210> 1349
 <211> 171
 <212> DNA
 <213> Homo sapien

<400> 1349
 gcggcagcga ggggctcgga gaggtgctcg gattctcgta gctgtgccgg gacttaacca 60
 ccaccatgtc gagcaaaaaga acaaagacca agaccaagaa gcgccctcag cgtgcaacat 120
 ccaatgtgtt tgctatgttt gaccagtcac agattcagga gttcaaagag g 171

1. The first group of people who are interested in the study of the history of the United States are the people who are interested in the history of the United States.

```
<210> 1351
<211> 309
<212> DNA
<213> Homo sapien
```

[illegible]

```
<210> 1352
<211> 268
<212> DNA
<213> Homo sapien
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<400>	1352								
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tgccaccgag	cctgccccagg	gacaggattg	tgtggctgac	atggtgacgg	catagtactc				180
aggcttgctg	tgtgtctggc	ggtcagggcc	agaattcaca	ttattgaccc	gcattccagg				240
atttgaqgtt	ccgtgcccc	ctgtgcag							268

```
<210> 1353
<211> 620
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(620)  
<223> n = A,T,C or G
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[illegible]

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ttccagagtc	agtgtcacaa	aaccatttat	gttacccect	gttgcagcca	gctcccttag	300
gaatgacagc	agtagcagta	ataggaaggc	caaaaatctc	cctggagact	ccagcctaca	360
ctgggcagcc	atggcattgc	cagcattgtt	ttctcttata	attggctttg	cttttggagc	420
cttatactgg	aagaagagac	agccaagtct	tacaagggca	gttgaaaata	tacaaattaa	480
tgaagaggat	aatgagataa	gtatgttgca	agagaaagag	agagagtttc	aagaagtgtg	540
attgnngcct	gtatcaacac	tgttactttc	gtacattggc	tgggaacagt	catgtttgct	600
ttcataaatg	aagcagcttt					620

<210> 1354

<211> 398

<212> DNA

<213> Homo sapien

<400> 1354						
aaaggattat	ttttatgcaa	agtattctgt	ttcagcaagt	gcaaatttta	ttctaagttt	60
cagagctcta	tatttaattt	aggtcaaagt	ctttccaaaa	agtaattctaa	tcaaatccatt	120
ctagaaaaat	atatctaaag	tattgcttta	gaatagtgtt	tccactttct	gctgcagtat	180
tgctttgcca	tcttctgctc	tcagcaaagc	tgatagtcta	tgtcaattaa	ataccctatg	240
ttatgtaaat	agttatttta	tcctgtgggt	catgtttggg	caaatatata	catagcctga	300
taaacaactt	ctattaaatc	aaatatgtac	cacagtgtat	gtgtcttttg	caagcttcca	360
acagggatgt	atcctgtatc	attcattaaa	catagttt			398

<210> 1355

<211> 371

<212> DNA

<213> Homo sapien

<400> 1355						
ctggytcctc	agtgggaact	gagtcattac	ctgctaaagg	gtagaagagg	agagagagag	60
gccagagcct	ggggatgggg	cagaagggtgc	agcaggaagg	aaggtttagag	tgagaaaaat	120
ttccaaataa	ggggtgatgt	gtgagtgtct	agaggggtgac	tgaggacatc	tccagcattt	180
ccattgagga	gggaggaagg	aggggccctt	gggttctggg	gcagatgccg	gcagggtctg	240
gatgagatgc	ccccaacctc	aaccctggtc	ctctgaaaac	acttcaccca	gtcacactga	300
ggagccccct	caggcccagg	ggccccctca	ggtaggcgta	tctcagctcc	tctctggaag	360
gacccccaca	g					371

<210> 1356

<211> 338

<212> DNA

<213> Homo sapien

<400> 1356						
gcggcgcggg	cggcggtaaa	atgtcggttc	caggacctta	ccaggcggcc	actgggcctt	60
cctcagcacc	atccgcacct	ccatcctatg	aagagacagt	ggctgttaac	agttattacc	120
ccacacctcc	agctcccatg	cctgggccaa	ctacggggct	tgtgacgggg	cctgatggga	180
agggcatgaa	tcctccttcg	tattataccc	agccagcgcc	catccccaat	aacaatccaa	240
ttaccgtgca	gacgggtctac	gtgcagcacc	ccatcacctt	tttggaaccg	cctatccaaa	300
tgtgttgtcc	ttcctgcaac	aagatgatcg	tgagtcag			338

<210> 1357

<211> 159

<212> DNA

<213> Homo sapien

<400> 1357
 ctgggctgct gcctctggag tacttccccg cagctcctca ttgctcacat agtaggcaat 60
 ggcgttgctc tcaaacacac agaatccatc atcaccctca aatgctggga ccttgccggc 120
 aggaaatttg cggagaaatt caggggtgcg gttgggttg 159

<210> 1358
 <211> 306
 <212> DNA
 <213> Homo sapien

<400> 1358
 cctgtcagag tggcactggg agaagttcca ggaaccctga actgtaaggg ttcttcatca 60
 gtgccaacag gatgacatga aatgatgtac tcagaagtgt cctggaatgg ggcccatgag 120
 atggttgctc gagagagagc ttcttgctcct gtctttttcc ttccaatcag gggctcgctc 180
 ttctgattat tcttcagggc aatgacataa attgtatatt cggttcccgg ttccaggcca 240
 gtaatagtag cctctgtgac accagggcgg ggccgaggga ccacttctct gggaggagac 300
 ccaggc 306

<210> 1359
 <211> 382
 <212> DNA
 <213> Homo sapien

<400> 1359
 agagggagtc cagcccccaa gccttggtgag gcaactgttar gcagataggg aaaagagggg 60
 tccttagatc actggttcaa ggagggatct ggtaggggca gcatttcttc tgggctggaa 120
 acagaatggg ggtttcaaga tggcagaacc attccattat tggagctata agcccctaga 180
 attgctccat ggcctatctc ggtttccctt ggatctcatc tgctcctgaa ctgcacctgt 240
 catggcaagt ccactctcgg cccccatctc ccctgagcca atgtgagtca ggtgaacaaa 300
 attcattggt tccccaatca tggtcgggtc aatccgtctt ctcttcttct ttcttctcca 360
 ccattccagac gttcagctac ag 382

<210> 1360
 <211> 365
 <212> DNA
 <213> Homo sapien

<400> 1360
 aaaaaacctt tcaaaataaa acttagtaaa atctagaact gkttcttggc ctacttgaga 60
 ggaacttcca tattttcaca gccatctccg aaagcagcag ttgctgtaaa ttaactgaga 120
 cttggaaatg gtgcagactg tcttggtaga gctgttctta tagcacaatt ttatctggaa 180
 aataaacttg taaatgcgtg ctgtatatta atacatgtgt gcccatattt atttttatta 240
 tctcctgcca gtctttgctc aatgggagat gacagaccaa cttctcaacg tgatttcccc 300
 atttcattga atgacattta tatgccactt atgaaaaaaa tactgctgtg aaagaaatgt 360
 acttt 365

<210> 1361
 <211> 502
 <212> DNA
 <213> Homo sapien

<400> 1361
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cagcacattc	tccaggatat	accatatgtt	aggacacaaa	acgggtctca	ataaattttt	120
aaaagtcaaa	atcttatcaa	gtatcttctc	agaccacaat	ggaataaaac	tggaaatcaa	180
taacaagagg	aacttctgaa	attgaacaga	tacacggaaa	tcaaactaca	tgttcctgaa	240
tgaccactgt	gtctatgaag	aaattgattt	taaaaattta	aaaattcttt	gaaacaaatg	300
aaaatagaaa	cacagcatat	aaaaatgtat	agggtacaac	aaaagaagtg	ctatgagggg	360
catttatttc	aataaacacc	cacatcaata	aggtagaaag	tttttaaaca	aataacctaa	420
taaacgcata	tcaaggaact	agaaaagcaa	gaacaaatca	aacctaaaat	tagaaggaaa	480
taaatagtaa	agatcagagc	ag				502

<210> 1362

<211> 545

<212> DNA

<213> Homo sapien

<400> 1362

ctgattggat	gtctaggaat	gactgaaaga	aacccaaaaca	gcctgtccac	tgtctgtgtg	60
ggatggagga	ggcgtaagca	gaaacactaa	cagtatactg	acctcttagc	agaaccgctt	120
ccattctgga	gacacgggt	gctaaatcca	gcataccccc	ttcattttac	ccccagcata	180
ttgttctgta	gtcttttctt	gaaacatctt	gattgctttt	cctcggcage	tttcaaaaaa	240
ccaaataata	atagttatcc	gtcttctact	tcatggaaga	ttgttttggg	gccttgaccc	300
tctgaagtgc	ccagttcctg	ccatctgaaa	cctcggcctg	atctgatctc	atgttggaat	360
ctgcctgtct	ttcacacagg	gctgggtctt	gtcctttaca	tgccagtttt	gcttgtgaat	420
tcttgctttt	ttcctctcat	cagccttaag	tttaggcgtt	tggtgttctc	cagtgatgta	480
gacagttccc	ttcacaagtc	acagttcttc	ccataaatga	ggcccgtga	cctctgcggg	540
acttt						545

<210> 1363

<211> 286

<212> DNA

<213> Homo sapien

<400> 1363

gggagatgca	ggatgtagac	ctcgctgagg	tgaagccttt	ggaggagaaa	ggggagacca	60
tcaccggcct	cctgcaagag	tttgatgtcc	aggagcagga	catcgagact	ttacatggct	120
ctgttcacgt	cacgctgtgt	gggactccca	agggaaaccg	gcctgtcatc	ctcacctacc	180
atgacatcgg	catgaaccac	aaaacctgct	acaaccccc	cttcaactac	gaggacatgc	240
aggagatcac	ccagcacttt	gccgtctgcc	acgtggacgc	ccctgg		286

<210> 1364

<211> 503

<212> DNA

<213> Homo sapien

<400> 1364

ccatcaggat	catgaaaaca	aacttttggtg	aatgtgagca	actgcgccag	acaggacaca	60
ggttacaggg	cctgacgtca	ctaacggtaa	ctgacaatct	tggaatggac	cctactgctg	120
atgtttcaaa	aggacacaga	ggtgaactgg	tcacttctaa	ttaagaagag	ccagtggggg	180
gggggaagct	gaaaacccaa	aatccacgta	gacatacgtg	gcagtgtgaa	cgtctgtcct	240
ccccttcctt	ctcctcactt	cctctcctcc	tcctcactca	ggctgggtatt	ctcctgggtg	300
gcggatgtca	gcttgccctg	cagaagggct	gccagttttt	tagatgtctt	tttgagaaac	360
gagctgccc	gatgggcact	gttcacgtgc	aggtagaggt	cctcctgggt	ggggcccgtg	420
tagccgcaat	cctcgcagac	gtagagcttg	tcccgcgcgt	gcttataggc	atactgctgc	480
tgcaccccat	ggattttctt	cag				503

<400> 1369
 ctgaaggcaa tgggggactg aggaaggagg cagcagaagt aggagaggag caagaatcca 60
 gaagggaaat gagaacgaca aaactgaagt gcacttcaac atcctgcagc caaaggggta 120
 aaaaggagaa agaagtgcag accagtcaca taaatgccac agtgacatgc aaaaaaacgt 180
 gaggggcaca ctccaggagc agagtctgac aacatgacaa gctacatggc atcaaactct 240
 ttcattgtgac aggcagcttt tcacatgtgc atcttaagac tgggaacttg c tatagataaa 300
 ccttaagtag ttaataaaaag caaaagtcac cctctattca ctgtttgctg ccatgttcca 360
 ggcatagtag ttggcacttt ttattttatt tcacttgatc agctcagaaa gtctctccaaa 420
 tgagtatttt 429

<210> 1370
 <211> 540
 <212> DNA
 <213> Homo sapien

<400> 1370
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 actcccgat gcactcaaca acctaaggac gcaggagggt tccggggatg gtccgagctc 120
 gtccgtagat tggaaatgcc ctgaagatgt agaccctcaa gggatttatg tcatatctgc 180
 tccttccatc tacgctcggg aggtagcgac gcccttttcc ccccgctac aactgggag 240
 cgctgggcag aggcagcacc tgctttttcc ctacccttcc tcgattctgt ccgtgaaatg 300
 aattgggtag agtctctgga aggttttaag cccattttca gttctaaact actttcatcc 360
 tattttgcat cctctttatc gttttgagct acctgccatc ttctctttga aaaacctatg 420
 ggcttgagga ggtcacgatg ccgactccgc cagagctttt ccactgattg tactcagcgg 480
 ggaggcaggg gaggcagagg ggcagccctc ctaatgcttc ctactcattt tgtttctagg 540

<210> 1371
 <211> 142
 <212> DNA
 <213> Homo sapien

<400> 1371
 ttaaaatggt agcacaagag tctggcaagt tggtagtgca gagaaaaggg gttaattgag 60
 gcttgttttg agtcgggatt cccctttccc aaacatgcgt ctgccactt ggacagcagc 120
 catttgtagt cgtatacttt tt 142

<210> 1372
 <211> 377
 <212> DNA
 <213> Homo sapien

<400> 1372
 ccaccatctg tgcaagtagc caaaaccact ccttttaaca cgaggaggagc tgtgatgctg 60
 gcctgctatg tgtggggctt ctatccagca gaagtgacta tcacgtggag gaagaacggg 120
 aagcttgtca tgcctcacag cagtgcgcac aagactgccc agcccaatgg agactggaca 180
 taccagaccc tctcccattt agccttaacc cctctttacg gggacactta cacctgtgtg 240
 gtagagcaca ttggggctcc tgagcccatc ctctgggact ggacacctgg gctgtccccc 300
 atgcagaccc tgaagggttc tgtgtctgca gtgactctgg gcctgggcct catcatcttc 360
 tctcttggtg tgatcag 377

<210> 1373
 <211> 504
 <212> DNA
 <213> Homo sapien

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<400> 1373
ccatgctaag tttgggaacc gctgggtgat ggacatggat gcttgcaacc gaccgtgggc      60
ggatgtgggt gaccagatgg cagaggacga caccatccat gagggctgcc cccaggtctt      120
cgtgcagact gaccttcaat ctcattctca tgctctcacg aagttgttcc accagctctt      180
tctcttctct catctgctcc attttctctc ggattgtaaa ctgcgggtct atagattcca      240
aatttctctg aggtcttaga aacacagact cagaaatcaa atgaggatgt ctcagaaagg      300
agtcactttt ccagaggcag gctgcccctt aactcagccg agcagcagga accactgggg      360
ccaaagctat tttatcttcc ttaggtaaaa aaaaatcaat agaataattc ttccccgctt      420
acatgctccc accactgatg aacgcgatct tcagcaagaa gaactttgag tccctctccg      480
aagccttcag cgtggcctct gcag                                     504

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```

<210> 1374
<211> 201
<212> DNA
<213> Homo sapien

```

```

<400> 1374
cctccgtaag atgcttgaca attttgactg ttttggagac aaactgtcag atgagtccat      60
cttcagtgtc tttttgtcag ttgtgggcaa gctgcgacgt ggggcccaagc ctgagggcaa      120
ggctataata gatgaatttg agcagaagct tcgggcctgt cataccagag gtttggatgg      180
aatcaaggag cttgagattg g
                                                                201

```

```

<210> 1375
<211> 295
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

```

```

<400> 1375
ctgtgagggt gnttccaagg aggaaaacaa ggaaaaaaat cgatatgtaa acatcttgcc      60
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caatgcttca ttcattcaac gctaccaaga aaagaacaaa ttcattgctg cacaaggacc      180
aaaagaagaa acggtgaatg atttctggcg gatgatctgg gaacaaaaca cagccaccat      240
cgtcatggtt accaacctga aggagagaaa ggagtgcagg tgcgcccagt actgg        295

```

```

<210> 1376
<211> 318
<212> DNA
<213> Homo sapien

```

```

<400> 1376
ccagcgctac tgtactggcc cagggcagag ttcattgtat tcgtcttgac cacgtctaca      60
ggggaggcga tgacagtggg gcagaagcct gcccacaaagg cagaagtga gttggcaagg      120
aggtcatctg tcatgagggt ggctttcagg agggcatcct tgatgagggt ataggtcacc      180
agctcagcac agttgacaat ggcattacga gcaacattgg gggagggtccc tttccagagg      240
ccccggaacc ctctctctcg ggcaatgggt ttgtaggcat tgacggtgct ttggtatctc      300
cgaccacctc cagcccgg
                                                                318

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```

<210> 1377

```

<211> 143
 <212> DNA
 <213> Homo sapien

<400> 1377
 gtggattccg ytcggggcac cgatctcgcc aagatcctga gtgacatgcg aagccaatat 60
 gaggtcatgg ccgagcagaa ccggaaggat gctgaagcct ggttcaccag ccggactgaa 120
 gaattgaacc gggaggtcgc tgg 143

<210> 1378
 <211> 98
 <212> DNA
 <213> Homo sapien

<400> 1378
 aaatattggt aatagggtcgg caacagcaac tatagaagta caactcaata gatggcatta 60
 aaacatattg tagtgtggat atatattttt tctttttt 98

<210> 1379
 <211> 330
 <212> DNA
 <213> Homo sapien

<400> 1379
 aaagatgttc acgttacgct ggaccaaatt aagacggctt tctccctctt gctgacgtgc 60
 cccagccgtg ataataacca gcttggagtt tgcagttaca ttatagtctt tgccagagac 120
 aatcttttgg gttctaagga aaaggctgcc atgttggaga tccatcatct ctcccttcaa 180
 tttgtcttcg acgacatcaa caagagcaag ttcactctgc aagtccttca ttaagatact 240
 gatggcacag gccatgccaa cagcaccaac cccaacaact gtaatcttat tctggggggg 300
 ctgttcttcc tttagaagat tataaatcag 330

<210> 1380
 <211> 269
 <212> DNA
 <213> Homo sapien

<400> 1380
 ccactcctgg aaaccactg atagatgagt ttccccatt cttctggcct ccgccacatg 60
 atcaggaagc tggacttgct cttatccaac cactcgaggt tccctttctt cctcagttcc 120
 tctaatacaa tctggatcga ctccacagga agctttcgtc gtagcttgac gttgttgaag 180
 agcgggctct cctgagcttc catcacctgc atgctggact gtttgtgcag gcggcagaag 240
 gacaggacca gcgagacca ggcggccag 269

<210> 1381
 <211> 232
 <212> DNA
 <213> Homo sapien

<400> 1381
 aaaagagagg aaaggcagtg cagggctgga ggtcctggag ggtggcggcg ggtcgtccta 60
 actagcaggc tgaaagggtgc tggaggggat gccttcaact agaggaagtt cacagccacc 120
 tgcttggaa catgtacctg ttcattttt cgtaatgtta gtattcattt tgctatcttc 180
 ctgttgccat ttccaaacag tgtcagtatg tttttgttaa atacgaacat tt 232

1377
 1378
 1379
 1380
 1381

<210> 1382
 <211> 348
 <212> DNA
 <213> Homo sapien

<400> 1382	
aaacgtgcta aagggaaagg aatctgacat tctgggtaaa tcttactcaa tctaaatcaa	60
agcttggttt tcaggaggag gaaggtgcga gcgcaggcag aggtgctgaa tactcctctt	120
ctgattcact tccatcatcc tctttctctt ggtcactgcc ctacgtgcta agccgggtcaa	180
acccttttctg actgtagccc ttacggcttg caaagaaatt accaagggtt aagcctccac	240
ttccctttcc tctaaatctt cccagtactc ttcttgaact cgtctcgagt ttgtgttcag	300
aatctccaaa ggcccttgat tttttccacc gaataaatat ggcaatgg	348

<210> 1383
 <211> 293
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 1383	
ctgcttcaan acctcagctt catgggaactt gcgtctttct tctgcagctt ctaatttctt	60
ctgaatttcc tccagggaag gatccttctt ctttggaggg gaaaggggga attcttggaac	120
agattctttt gaccgagggc tgagaatcag ctcaaaagcc tggcccaggg cacgcttctc	180
cagttctttc acctggatat cagaagaagc catggtgaat agaagacaag cgacaggcag	240
tgtattctgc acaatcaact gggataagga aagtcttgct cagtccgagc cgc	293

<210> 1384
 <211> 573
 <212> DNA
 <213> Homo sapien

<400> 1384	
ctgaagcaac ttgggattaa ttgcttgatt agcttcacga agcacagaga taaggctcgct	60
cacttgcttt atgttattag gtgtaaagaa agtgtatgct gtgcctgttt tggtactgcg	120
agcagttctt ccaattcgat gaataaatc ctctgaggag ttagggtagt cataattgat	180
gacaaatttc acatcttcca catctagccc tctggaggcc acatctgtag caatcagaat	240
aggagctttt ccatgtttga attcatttag aacccagtca cgctcttggt gactcttgct	300
accatggata cccatggcag gccacccatc tctctcatt tttctggtaa gctcatcaca	360
tcttcttttg gtttccacaa aaacaatggt tttattctcc ttctcactca tgatctcttc	420
cattagacga ataagttttt catccttttc tacgtcatga cacacatcca caatctgaag	480
aatgttgtgg tttgcactca gttcaagtgc accaatgttt atatgaatat agtctttcag	540
gaaatcttca gcaagctgtc ttacttcttt tgg	573

<210> 1385
 <211> 150
 <212> DNA
 <213> Homo sapien

<400> 1385	
ccaaggccgc tagggctcctt acccctcagg atcactcccc agccctttcc tcaggaggta	60

```
ccgctctcca aggtgtgcta gcagtgggcc ctgcccaact tcaggcagaa cagggaggcc 120
cagagattac agatcccctc ctgtaagtgg 150
```

```
<210> 1386
<211> 159
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(159)
<223> n = A,T,C or G
```

```
<400> 1386
aaatgatggt ttgggttaaga gtggaccatg agaattagct gacagcatcc cttttctctc 60
tccctgcctt ggtgggaccc tccctgtgtg accttgggtca agtcctcgaa cttttgtccc 120
gtatttaaga tggagctgnt ttacctactt cataagaca 159
```

```
<210> 1387
<211> 735
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G
```

```
<400> 1387
ggtgnaattc gcctttgaan ggccgcgggg caggctcctt ntgtstgctg aaggcagatc 60
gcttggtcca caccagctac cactcccagg cagtgcatac ccgccctggt tgcagaaatg 120
cacgctgtac tagcatctcc tgggagctga ggcagacct gtcagttgta tttgatgcct 180
tcatcacggg gcagggaaag aaagactggt cctctctccg gatgttctcc cgaacctca 240
cggagccctg cccctgggct tcagagagcc gagtctatgt ggacatcacc acctacaacc 300
aggacaacga gacattagag gtgcacccac ccccgaccac tacatatcag gacgtcatcc 360
taggcactcg gaagacctat gccatctatg acttgcttga caccgccatg atcaacaact 420
ctcgaaacct caacatccag ctcaagtgga agagaccccc agagaatgag gccccccag 480
tgccctttct gcatgccag cggtacgtga gtggctatgg gctgcagaag ggggagctga 540
gcacactgct gtacaacacc caccataacc gggccttccc ggtgctgctg ctggacaccg 600
taccctggta tctgcggctg tatgtgcaca cctcaccat cacctccaag ggcaaggaga 660
acaaaccaag ttacatccac taccagcctg cccaggaccg gctgcaacct cacctcctgg 720
agatgctgat tcaga 735
```

```
<210> 1388
<211> 369
<212> DNA
<213> Homo sapien
```

```
<400> 1388
ctggggacag cctacagggg cctccagcct gtgccagacg aggaggtgat tgagctgtat 60
gggggtaccc agcacatccc actataccag atgagtggct tctatggcaa gggtcctcc 120
attaagcagt tcatggacat cttctcgcta ccggagatgg ctctgctgtc ctgtgtgggtg 180
gactactttc tgggcccacag cctggagttt gaccaagcac atctctacaa ggacgtgacg 240
gacgccatcc gagacgtgca tgtgaagggc ctcagtgtacc agtggatcga gcaggacatg 300
```


gagaagtaca tcttgagagg ggatgagacg tttgctgtcc tgagccgcct ggtggcccat 360
gggaaacag 369

<210> 1389
<211> 322
<212> DNA
<213> Homo sapien

<400> 1389
aaagatgttt ctggcatttt ctttttattt gtaagggtgt ggtaactatg gttattggct 60
agaaatcctg agttttcaac tgtatatatc tatagtttgt aaaaagaaca aaacaaccga 120
gacaaaccct tgatgctcct tgctcggcgt tgaggctgtg gggaagatgc cttttgggag 180
aggctgtagc tcaggggcgt cactgtgagg ctggacctgt tgactctgca gggggcatcc 240
atntagcttc aggttgtctt gtttctgtat atagtacat agcattctgc cgccatctta 300
gctgtggaca aaggggggtc ag 322

<210> 1390
<211> 450
<212> DNA
<213> Homo sapien

<400> 1390
aaatattagw tgagacttta caggcacata actgttcaga tagaaacaaa cataacagac 60
taaaataactt tcaaaattaa agccatctag aaaatggaag taactgaaac tgtagccatt 120
acaattcttt ttctggtttt gagcaaaaat tttatctctc tggcaaaaca cctttgtctg 180
atcatttgag agacagggtt cttgtatact gtttcttcaa cgtaaacctc atttacaana 240
atagtacat agcattatga ataaactatg aattggggac catggaaatg cactagaaca 300
aattttgtaa aaatatggca gatatggaag ttaaaaaatag aatggatgca aggactgtac 360
taaagggtgtt tgggtgtagtt acaatgttca ctttgcacaa ctatccctat agtctaggta 420
gccattgggt ttctcctcag cagtgtcaga 450

<210> 1391
<211> 304
<212> DNA
<213> Homo sapien

<400> 1391
aaaaaatcat aaatgggggt tcataatcca aagttgaaac atttattctt catagcttca 60
gaatttaaca accaattgta gaccatgctt tccaaatcca gtcttctttg ctatttttca 120
aaacttctga gatctagtat taaactgctc cattctaaat gtatagtttt agataagtat 180
tgtacacttg ttgataaggg ttttctgaaa gcagtctatc aaatataaag aatgggttct 240
atctaagaat cagcagttag ggaagaaata ttaaacacct atcaagaaat caattattca 300
tttt 304

<210> 1392
<211> 140
<212> DNA
<213> Homo sapien

<400> 1392
ctggaagaag aactgagaca gcagaaagaa gcagcttggt tcaaggctcg tccaaacacc 60
gtcatctctc aggagccctt tgttcccaag aaagagaaga aatcagttgc tgagggcctt 120
tctggttctc tagttcagga 140

gagaagtaca tcttgagagg ggatgagacg tttgctgtcc tgagccgcct ggtggcccat 360
gggaaacag 369

<210> 1393
 <211> 166
 <212> DNA
 <213> Homo sapien

<400> 1393
 aaaactttgt ttttcttaaa agcttacagt gtttggtctaa ttctcctccc cttttttacaa 60
 gacggggggcc ggaggggtgga cactggtggc aggttaaggg atactgtcac ttttaagaagc 120
 ctgcagattg aagtgtaaac atggagaaat taggggctga tttttt 166

<210> 1394
 <211> 543
 <212> DNA
 <213> Homo sapien

<400> 1394
 gcagaggctg tgggtacaaca tgggtccttgg tgaagacctg caccctctgga acctcccacc 60
 atcatcaciaa ctgtagtctc atttgcagtg gagaaaagaa cccgacgtcc cacagccaga 120
 tatacaccca gctccatgcc agcccttcat gtttaccttt tgctttgtta attacatgtc 180
 agactcctag agggcctcca gactaatagg aagcatttct gtaaccaacc tgccaccacc 240
 tgattcagaa atggaaatca cattccaciaa tctatggctt ctaccagcta gccaggaaa 300
 tacttgaaat cagcattcca attagtgttg agtctcttga ttgtgtcatt taccaattaa 360
 ataactgaga cctaagtctg ggaacagagc cacgaatctg cctttgagat gctggcagat 420
 ctcaaggcca tcaattattg ggggagggag ggacaaacac tcccaatcat ccaccagtca 480
 gactgaatgt gtagctggcg aggaattact tccacttctg gccagcaca agccctgctt 540
 tgg 543

<210> 1395
 <211> 364
 <212> DNA
 <213> Homo sapien

<400> 1395
 cctatcatca gtgggggttgt attcaccatc atccagggtta ccatcttcat acaagggtact 60
 agctatgacc aaccgaaact tgtcacccaa gtctacaggg taaatttgaa tgtttacatc 120
 taagattaga tccatcttga aagattcact ctacaaatgc agtcgagaca ctcggtcaaa 180
 cttcttgccc tccgggtcaa tatccttcac atcgaaaata tcctcaaaca ggatgcccg 240
 catcgcgagg gggccacgag agcagcagaa ggggtgagag cgcgaccaca gttgggagta 300
 cgtgcacccc ctacgctgga caagaccgga gagaaccaa agcacctct gaaagcgcg 360
 cggc 364

<210> 1396
 <211> 422
 <212> DNA
 <213> Homo sapien

<400> 1396
 gctgctgctg ctattgtgtg gatgccgcgc gtgtcttctc ttctttccag agatggctaa 60
 cagggggccc agctatggct taagccgaga ggtgcaggag aagatcgagc agaagtatga 120
 tgcggacctg gagaacaagc tgggtggactg gatcatcctg cagtgcgccg aggacataga 180
 gcacccgccc cccggcaggg cccattttca gaaatgggta atggacggga cggctcctgtg 240
 caagctgata aatagtttat acccaccagg acaagagccc ataccaaga tctcagagtc 300
 aaagatggct ttttaagcaga tggagcaa atctccagttc ctaaaagctg cggagacct 360
 tgggtgtcaga accaccgaca tctttcagac ggtggatcta tgggaaggga aggacatggc 420

422

<400>	1397						
ctgacctgtc	atccccaccc	aaatttcagc	ctgagggtata	tttcagtga	ggcaggtagc		60
tgtgcttctc	agagcagaga	agcagtttta	agagcaaaaa	ggtagaggaa	atctagaaaa		120
gaaccgtctt	gatacacatt	tatcccattg	tgtgaaggga	gggcaagaaa	cccagtgcca		180
cttcgcttat	ccagcaattt	ctgtcactgt	ggcgaccaac	ttctgcccg	tccatagggt		240
cttgaactgc	tcagggaactg	ggaattcatt	aaagtcaccg	ccttctgtag	gaatgaggac		300
attcatctcg	gaagattttg	cactgactat	ttcacaatcc	aggaattctt	tgtcaggta		360
agcatggcag	ccatctgttt	tgttgatgga	tatggttggc	actttaccba	ttacctgaac		420
tttgacatcc	ttactgttga	ttatctccac	aatgcccacc	acgtcatcga	ataccaggcc		480
aagttttctt	cagttatatc	ctgtaatgga	gttaattttg	cccttgattt	gcaatgtcgt		540
gttgacacac	ttgtatatgt	aagccaactg	tttcagctct	gtgtcctcaa	tcaccagggt		600
ggaacatttt	tcctgatatt	ccctctccct	tcttgccctc	agttcaagta	cag		653

<400>	1398								
aaaattataa	ctactcattc	tttcttttagc	cttagataat	ttgagcagaa	gccacaacaa				60
gcaaaccaca	ataaat tttag	aattggcaga	aatccacatt	aactcctctt	cccaagt ttc				120
cacactacta	ccattttacag	ttgtagg ttt	gtaatgtata	attatgtaat	gcasaacta				180
gctttgactt	gtgtracgat	gcactgtcaa	aggaagcaaa	gtaagaattg	aaattccaca				240
ttcccagaat	ttaacactca	g							261

```
<400> 1399
ctgatttttat ttccttctca aaaaaagtta ttacagaag gtatatatca acaatctgac      60
aggcagtga ccttgacatga ttagctggca tgattttttc tttttttcc cccaacatt     120
gttttgttg ccttgaaatt taagacaaat attctacac gcatattgca caggatggat     180
ggcaaaaaa agttt                                     195
```

```
<400> 1400
ctgcctccaa ccctttgggt ctccaccacc caagtttcct gtaggggtccg ccgggtccag      60
gatcacaggc ctgggttttcg tgagctgcct tctcaggtac ttttcaataa tgggggttttt    120
```

<210> 1401
<211> 284

<212> DNA
<213> Homo sapien

<400> 1401
ctgtagccaa aaagatgctg gggcagattg tggacaagta gaagcacctc cttcccctct 60
gcgacattga acggcgtgga ttcaatagtg agcttggcag tgggtgggcgg gttccagaag 120
gttagaagtg aggctgtgag caggagcctc tgccagggga catgcaatct gcagggaggg 180
gctgaggggg gtcccatggt ctctgctgtc ttctctgtcc acctctttgt agaggagctt 240
gagctccagg aatgctctgg tcagggctgc tgtgactggt ggcc 284

<210> 1402
<211> 198
<212> DNA
<213> Homo sapien

<400> 1402
ccaggtttct gctggtagca ggctaagtag ctggtgctgg cgggaacact gtgactggcc 60
ctgcaggaga ggggtggctct tcccccgga gacagagaca gcgtgtctgg agactgtgtc 120
acttcaagct ctgcgatgcc atctgggagc cagagtagca ggaggaagag aagctgcgct 180
ggggtttcca tggttccc 198

<210> 1403
<211> 441
<212> DNA
<213> Homo sapien

<400> 1403
aaactcaaaa ttgacaaatt aactagcttg ctttttgtca tttggaagac taccattatt 60
caaatttatt atgtaataca ctcatccaga taatgaaaca tctgcgaaaa aaagtgtggg 120
aatcacctca tctgtgcata aaatggctat tatacatgaa tgcagacgtt tgaagttaga 180
aaggaatata actcaaatag caaaaggctc taattacaga gtttacaat aagcagtttt 240
attttcaaaa gtacatagta agtccagact gggctattgc caaagaacta atcttttagtc 300
tacttcaaca tgttacatgg tattcctgac tctacagact atcagcatct gtggagggtta 360
gctcctaaag gtcccaaaga acaggaaaca tgcaggaata aaggactcct catgaagagc 420
aggtggggagc gagtgggcag g 441

<210> 1404
<211> 243
<212> DNA
<213> Homo sapien

<400> 1404
tgaagggggt cttggaagac ctggcacctc cagagcgcag cagcctaatt caggattggg 60
aaacatctgg gcttggtttac ctggactata ttagagtcac tgaaatgctc cgccatatac 120
agcaggtgga ttgctcaggt aatgacctgg agcagttaca catcaaagtg acttcactgt 180
gcagtcggat agagcagatt cagtgttaca gtgctaaaga tcgcctggct cagtacagaca 240
tgg 243

<210> 1405
<211> 168
<212> DNA
<213> Homo sapien

<400> 1405

aaaccactgg	atctatctaa	atgccgattt	gagttcgcga	cactatgtac	tgcgtttttc	60
attcttgtat	ttgactattt	aatcctttct	acttgctcgt	aaatataatt	gttttagtct	120
tatggcatga	tgatagcata	tgtgttcagg	tttatagctg	ttgtgttt		168

<210> 1406

<211> 486

<212> DNA

<213> Homo sapien

<400> 1406

ctggacatac	agaaattggt	gaatttttgt	tgcaacttgg	agtgccagtg	aatgataaag	60
acgatgcagg	ttggtctcct	cttcataattg	cggcttctgc	tggccgggat	gagattgtaa	120
aagcccttct	gggaaaagggt	gctcaagtga	atgctgtcaa	tcaaaatggc	tgactccct	180
tacattatgc	agcttcgaaa	aacaggcatg	agatcgctgt	catgttactg	gaaggcgggg	240
ctaataccaga	tgctaaggac	cattatgagg	ctacagcaat	gcaccgggca	gcagccaagg	300
gtaacttgaa	gatgattcat	atccttctgt	actacaaagc	atccacaaac	atccaagaca	360
ctgagggtaa	cactcctcta	cacttagcct	gtgatgagga	gagagtggaa	gaagcaaaac	420
tgctggtgtc	ccaaggagca	agtattttaca	ttgagaataa	agaagaaaag	acaccctgc	480
aagtgg						486

<210> 1407

<211> 560

<212> DNA

<213> Homo sapien

<400> 1407

aaatatatgc	ttttctagaa	tttgatgttt	gaccatttat	gacttaatta	ccagagagcc	60
agtaaattag	gacagtgttt	caacaagcct	aggctatctc	gtaagttgaa	aaatatccca	120
ctatagttgc	ttcatgagta	tgaagtaaga	tggcctctga	tttacactgg	ttcaatttac	180
aaattttcaa	ctttatgata	ggtttatcag	ggtactaaat	gcatttcaac	ttgatagtct	240
caacttatga	taggtttacc	aggatgtagt	cccactgttg	aggagcatct	atttaggagt	300
taattacttt	agtaataagt	ggaaagtaag	ataccttgag	taatgtttgc	ctataaaatt	360
gtcagcgtat	ttttacacta	ttggctcaag	aatgtttata	tgctaaggga	cataagttgg	420
caaccacttg	gtttttggaa	ggactttcgg	tattgtatta	gaagtctgcc	ctagctgtta	480
aattttctggg	tatttatcct	aaggaattaa	ttaaagagtt	aattgttcct	ttcttcagt	540
ggccattgtt	ttagatattt					560

<210> 1408

<211> 360

<212> DNA

<213> Homo sapien

<400> 1408

ctgcctagtt	gtagttgaca	gacaacttta	taagctctag	tcaaccctat	tgactaagct	60
tctgaaccac	tagcatagtt	ctagggtcag	gcggatgcct	actgtgggca	ggaaagtgtat	120
gcatgcatgt	gtgggagcag	tgtcttaatg	tctgaaatag	tagccatgag	ctacatgtgg	180
ctatggagca	cttgaaaatgt	gggagtccaa	attatcatgt	gctgtgagtg	taaaataata	240
tgttttctaag	accgtgtgtg	aaagaatata	aaatatctca	ttaaaaaatg	tttatattga	300
gtacatgttg	aaataatttt	atatttgtga	cacattgtgt	taaataaaat	attaaaattt	360

<210> 1409

<211> 208

<212> DNA

<213> Homo sapien

```

<400> 1409
ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag      60
cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct gcaggcgcat      120
aggtgccaaa tcccaggaca ggcataagtg gaccatcatt cagcttcaca cactgatatt      180
tcgaatccat ttctgtcact agcctggc                                208

```

```

<210> 1410
<211> 404
<212> DNA
<213> Homo sapien

```

```

<400> 1410
aaaaaaagga aaaagtttta ttacgaaact agtttgtata aaacaggggtt atacatattt      60
ttgtaagttt gtaataaaaac agtaagaaaa aaaaggcagt aatagaaatc tccaaaaggc      120
aacctatcaa aaccaactgg ctgccacttt gagtttggac agtagctgca taaactttgt      180
tcttcttgar cagtatttaa taacatcatt aatacatata caacatttct ataaagtaag      240
acacattggt gctgaagtac aactgggtggc ctcttgatct cacctatgag gagagtctct      300
tacamaawcca catagggaaa attgcagttg taagggtgarc tacacatcta aaatatgcag      360
aggtaatagc attacatggt aaagtatcaa gatatacaca tttt                                404

```

```

<210> 1411
<211> 623
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(623)
<223> n = A,T,C or G

```

```

<400> 1411
ccacttggtg agatatgggg agcctacact ccggagggst gtacctttag cactggccct      60
catctctggt tcaaateccac gactcaacat cctggatacc ctaagcaaatt tctctcatga      120
tgctgatcca gaagtttccct ataactccat ttttgccatg ggcattggtg gcagtggtac      180
caataatgcc cgtctgggtg caatgctgcg ccagtttagct caatatcatg ccaaggaccc      240
aaacaacctc ttcattggtg gcttggcaca gggcctgaca catttaggga agggcaccct      300
tacctcttgc ccctaccaca gcgaccggca gcttatgagc caggtggccg tggctggact      360
gctcactgtg cttgtctctt tcctggatgt tcgaaacatt attctaggca aatcacacta      420
tgtattgnat gggctgggtg ctgccatgca gcccgaatg ctgggttacng tttgatgagg      480
agctgcggcc attgccagtg tctgtccgtg tgggccaggc agtggatgtg gtgggccagg      540
ctggcaagcc cgaaaactat cacaggggtc cagacgcata caacccagtg gttgggtggg      600
ccacggggaa cgggcagaat tgg                                623

```

```

<210> 1412
<211> 171
<212> DNA
<213> Homo sapien

```

```

<400> 1412
gcggcgctgg ggggtgctgga gtccgacctg ccaagtgccg tgacacttct gaaaaatctc      60
caggagcaag tgatggctgt aactgcacaa gtgaaatcac tgacacaaaa agttcaagct      120
ggtgcctatc ctacagaaaa ggggtctcagc ttcttggaag tgaaagacca g                                171

```

<210> 1413
 <211> 189
 <212> DNA
 <213> Homo sapien

<400> 1413
 aaaagtcata aggggttttat tttgtatcat caaaatattc tataagggtcc caaatactct 60
 ttttcaaccc atgaacagta agaatttgtg aattctgata atgaaaaaag ttttcctcca 120
 ggtatgtttg tttcacattc agtcctaaag ccttgagcta tgtgtacttc cctcacacag 180
 gaacaccag 189

<210> 1414
 <211> 564
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (564)
 <223> n = A,T,C or G

<400> 1414
 cctccccagc gcccaaagggt ctattacaag tacctataga cttttcacat ataagttcta 60
 gtgggtacaa gctttttttt tttttttttt tttttttttt tctattgggk atttcattca 120
 ttttgggggg ggaacaaatt ctacaaactg ctttaattt gkcctttttt tctaatttc 180
 acattaactt tttatgtaaa acataccaat gcttttaata aagcttacat aggaataaac 240
 tattatagac ctgcatagat ataagtaacc atgtattaat ctacattaaa ataatggatt 300
 ttattctgcg aaractccaa gttgctcctg ggkgctaagk gaagcactta gggaaatgtg 360
 ttcagtcctt gaggtcatag gaacattara ttatatcaaa ggaaacctgg agccatcagc 420
 taagtggccc ttctgtcctg tagatacata aaaactaat ggctccgcta tgcggctcac 480
 tttctgctat tagatactat gaggcactaa naaaaaacta ctgcctgcat catatctttc 540
 ttcggtttga gataaagaga atgg 564

<210> 1415
 <211> 231
 <212> DNA
 <213> Homo sapien

<400> 1415
 ctgcgcttgg ataacaagta attcaacgca cgcacttaac agaaatgtta aactataaca 60
 agcaccattt gaggattaac aggaacattt ttttgaagat ttcaaacgaa ctgcactttc 120
 agtataattg tacctaaagt atttataaac agctcatcgg agcctctatt tgtcatagac 180
 ttttgagttg attgttggga ccacataata ggaccatttt tttttgtctt t 231

<210> 1416
 <211> 540
 <212> DNA
 <213> Homo sapien

<400> 1416
 cttgatttag gatctgtggt gcagggcaat gtttcaaagt ttagtcacag cttaaaaaaca 60
 ttcagtgtga ctttaattt ataaaatgat ttcccatgcc ataattyttc tgtctattaa 120
 atgggacaag tgtaaagcat gcaaaagtta gagatctgtt atataacatt tgttttgtga 180
 tttgaactcc taggaaaaat atgatttcat aaatgtaaaa tgcacagaaa tgcatgcaat 240

```
<210> 1417
<211> 350
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(350)
<223> n = A,T,C or G
```

```
<210> 1418
<211> 425
<212> DNA
<213> Homo sapien
```

```
<210> 1419
<211> 390
<212> DNA
<213> Homo sapien
```

<210> 1420

<211> 480
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(480)
 <223> n = A,T,C or G

<400> 1420
 ttgctgaaca atgacatcgt tttctccagg ggttgaaatc catgtccatg gctgacaacc 60
 caacaaggct gggacccaaa ttcgtacaga gatgaggcag agtggagaga aacaactctg 120
 gctgagccag agtctccagc cactacttct tattcctggg ctttagctct tcggctgcat 180
 tacgcaggaa aatgtaattt ttttctggg gattataaaa ttcattgtccc ttgaccagt 240
 cgtagctgga agcgtatgca aatatgtttc cattgygatt gaaacagcaa gctgasatgg 300
 gctgayctaa ctgttccgaa gnttttagtt ttgktctggc atctttgycc cagaagctga 360
 atctaccatc agatcccaca gttgcaaggg tgccatgaac aggatggaac gccgattcca 420
 tttacccgca taaatgycct gaggagctga agtggttggt ccattagatc gatgacattt 480

<210> 1421
 <211> 453
 <212> DNA
 <213> Homo sapien

<400> 1421
 aaactgattg aggtcacagt attttattat ttggggctct caccacagga aacactgcga 60
 tacaggggca aaagagatgg cagtgccaat taaattaata caacaaaatc aatgcagcac 120
 caaccaagac tgccagggtct ggtgtcatgg gtatgccag agcccaggag ttcagaaggg 180
 ccctaagcct gatttaaatgc tctgctgttg atgtcttgaa attcttaaca atttttgaac 240
 aaggggcctg cgttttcaact tcgcactggg ccttgcaaat tacatagcga gtgctcataa 300
 aagaactcag aaacgtggta cctctcttcc tgggtggatac aaataaagaa atctggatcc 360
 aaagttgaaa gttgctggcg atatcattca agtaggactc taaatagtgg attaagatga 420
 ggggtgggcct ggggtgaagat tctttccagc ttt 453

<210> 1422
 <211> 542
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(542)
 <223> n = A,T,C or G

<400> 1422
 tttnttgac cactatacgg cacaacctag gggstgtawa aaacctascr caatgcagaa 60
 ggggtgaagct tcatgacaat tgggtctcggc aataatttgg gggatgtaac atcaacgaat 120
 cagacaacaa aagcaaggga atacacatgg nactaaatca gtgtgnngaa aaatatccca 180
 aacaggcaaa gcacaacatg gamtagatat atgcacattn atggaccctg naggcakcac 240
 tcacaaacat actacctggg aagcamctgg acctttaagg gatgaggtag attcaacaaa 300
 cagggcancg tatmttccac tgggtagatg ttccagcctt aaaaataang aaatcttgaa 360
 aagnactaca ataaggacaa atctcgaaca cattctgtta agtaaaacaa gacaagccaa 420
 aaagggaaaa ctgtataatt acacctatgt aaaatattta gtcaaactca aagaaaccaa 480
 gtgtttgtagt ctcagcaggg caccaagatg naaacagtct ctcatagnct gagatangca 540

tc

542

<210> 1423

<211> 252

<212> DNA

<213> Homo sapien

<400> 1423

ttaatgccaa	atggcaaagt	tgcattccgtg	gaaatgggta	aatatcatca	ctgtcgggat	60
gaacccctgc	acgccctcta	tgacaatgtg	gagaaactct	ttccagggtt	tgagatagaa	120
actgtgaaga	acaacctcag	gattcctttt	aataatgctg	taaagaaacg	tttgatgaca	180
gacagaagga	ttggctgcct	tttatcaggg	ggcttgact	ccagcttgg	tgctgccact	240
ctgttgaagc	ag					252

<210> 1424

<211> 273

<212> DNA

<213> Homo sapien

<400> 1424

ttccactct	gcacattgta	gagggaacac	tctgtaggcc	catgggtccc	ttactagaga	60
ggttgagtga	atttgccttc	agttaacatg	ggaccttctg	tttagcttcc	tcttgettcc	120
caaagatttt	aagcattttg	taaatgtata	aactcacctc	tggtaacagt	ggccagacg	180
ctgctttgtg	ctaaaagcat	gggaaatgta	aaggcagctc	ttctctggga	aatggatgct	240
attctattct	gctgcccccta	cctgttctctg	agg			273

<210> 1425

<211> 618

<212> DNA

<213> Homo sapien

<400> 1425

aaaaaccttg	tatagcaaaa	taacttaaaa	ccctttgtga	tatcatctta	ccagttttatt	60
tggtaaaaaac	aaacagttat	ttggtatttg	tcagaattct	tcagtgcctg	ctattacagc	120
tattttccaa	ttactaattt	gattatactc	actcaaggca	gtgcaagatc	ttgaagtact	180
tttttagcagt	taagtaatat	tgaattgtat	tgaatagttt	acatagttta	ttctagtctt	240
tgaaaattac	tgaacatgga	caatgtgcat	gtcattgaca	tctgccttag	aacttctggg	300
acaatcctga	ttcgagagat	tctatcccat	tatttacata	taccaaaaat	actttgttaa	360
tttaatgtgt	tggttcccca	actcctgaac	acgacacaat	tttattatta	gattttgtat	420
ggtgatttta	ggctatgaaa	acatgatcat	tatatgtata	tagatacatt	tttatttggt	480
acaaatgttt	gagcagctca	ctagcccacc	cctcctctat	tttgggtaag	agaatttact	540
acctttttta	actatgtagt	tgagagcaac	atgtattttg	ttatttttag	aatggtcagt	600
atattgctat	aaaatttt					618

<210> 1426

<211> 565

<212> DNA

<213> Homo sapien

<400> 1426

gtggtagaaa	gagatgacgg	aagcacatta	atggaaatag	atggcgataa	aggcaaacaa	60
ggcgggtccca	cctactacat	agatactaata	gctctgcgtg	ttccgaggga	gaatatggag	120
gccatttcac	ctctaaaaaa	tgggatgggt	gaagactggg	atagtttcca	agctattttg	180
gatcatacct	acaaaatgca	tgtcaaatca	gaagccagtc	tccatcctgt	tctcatgtca	240

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<400> 1427
ccactagtta tttttatgta atcaattacg gggtcattag ttcatatccc atatatggag      60
ttccgcgtta cataacttac ggtaaatggc cgccaccgcg gtggagctcc agcttttggt      120
ccctttagtg aggggttaatt gcgc                                     144
```

[illegible]

```
<210> 1429
<211> 253
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(253)
<223> n = A,T,C or G
```

[illegible]

```
<210> 1430
<211> 232
<212> DNA
<213> Homo sapien
```

```
<400> 1430
aaattttact agtgttactt aatgtatatt ctaaaaagag aatgcagtaa ctaatgcctt 60
aaatgtttga tctctgtttg tcattacttt ttcaaaatta tttttttctg taaagtataa 120
tatataaaac ttcttgctta aattgaattt ctatattagt ggtaaatgac agtttattaa 180
```

agggatcatt atcagtaatt tcatagcaac tgttctagtg ttttgtgttt tt 232

<210> 1431
<211> 734
<212> DNA
<213> Homo sapien

<400> 1431
cattatacaa cactatattg ccagggtcaaa gagggcaggg acgtaaatgt acactaaaat 60
gemaatgtat cccaaagaga taaaacaaat tccatttaca gcatgaaggt ttacaaatgt 120
acacctgtac aaccaaggaa agcatcacta ctaaattagc aaggctttta taataaacat 180
tgaaasaaga tttccttttca aagtgtaaac ttacatctat tactacacac acaatgcata 240
tatttataga aagcaaaaag agctatctga atatgtaatc atgcttaa at gctgagctat 300
caaattcact tttcagtggc cctttttcat ctctatctgg ttcctacttt ctgcctctat 360
gaaaaagcaa aataaagctc aacacttcct caacatgtct gtaattctat aagcaaaaaca 420
aaatacaaat ttccactcct tctcattgca aaccaaactg aaaagttaat aagtgactta 480
acttttcatt tagtgcactt aattggaagt gtcaccatga ttttgtattt aactccttaca 540
acaattacat atgtaagtat atacaatatt tctgtacatt gccagagaca ttttagggca 600
gtaattgtat taaaaccaca tctactgtaa ataatgtagt gttccttttca tctcaaacca 660
ctttattcctt gcctacttac tegtattttg catgatagtt tgtgaattat caaaatacaa 720
cttaactcctt taaa 734

<210> 1432
<211> 542
<212> DNA
<213> Homo sapien

<400> 1432
tttaagaaag agccttttgag aaacatgcat actttttctct tttctcctat attcaatact 60
catatagcct aaaagatgga aactgggttca agaattttaa tgacttggtc cctaaaaagt 120
taatctcctc accttttgta aatatatcaa gtgcttttcta taaataaggg caggaaatgc 180
taacttcata agcatagtc tagtcattaa aataatttga tcatcttcta aaatttaagt 240
atgatagtaa cacagtaata tggaaaatct caatatactt aacacttcct aaacagcaca 300
atgaaatgtt gttcaaggctc tgaattaatt tgctacagga cctaagcaag tctgtttgct 360
tatcttttgg ctttaaaatt ctttaagtct aaaatggtga taattttaga ataaactgac 420
aatgtgggga acaaacttaa attcacaac actaccata tgctcaaaaa ctctctggga 480
taattagttt cttcattgta actattgatg tactattatt tcatctttcc attagctcta 540
ct 542

<210> 1433
<211> 175
<212> DNA
<213> Homo sapien

<400> 1433
ttaaattgat tcaaaaaaac ttgacacctg tcatgtaggc cacaaaatag tagcgaacta 60
tactaagtgg tatagcccac tgtggagtgt ggtcttttac tcttccaaat agcccaagtt 120
ggcaaagggt acttaaaaaac ctgcccccca aaaagctaac ttttggtaga ttttt 175

<210> 1434
<211> 90
<212> DNA
<213> Homo sapien

```
<210> 1435
<211> 153
<212> DNA
<213> Homo sapien
```

```
<210> 1436
<211> 483
<212> DNA
<213> Homo sapien
```

<400>	1436						
tttttagttt	aaagaagagt	tttgccactt	aracanggga	gctwtgtctg	gaaaatacac		60
tgagttgaaa	cacttcaccc	ttggaaggat	tatataagat	gaacagygtg	gataaatgtg		120
tagattagag	ggatgtgaat	gggcagttag	tccagtgcc	tcatttaaga	ggccaagatc		180
ctgattcaga	ggaggcatcc	tttgcccaga	gctgcttagc	taatctgacc	aaatgttggg		240
aaaaatgtct	cacctaaccc	actatccctt	aattatggat	tttgtgaaaa	acaatagaac		300
atgttaatga	gtaatttata	ttagttcgat	gtattacaat	tttttagctt	taaattacag		360
ytttcttata	atgttgaaat	gttttagaat	cctttgaatc	taagtatttg	tttctctaat		420
gaacatttg	tacaacattt	gatgttttta	cttatgaaat	attctcctcc	ccaagaaaa		480
ttt							483

```
<210> 1437
<211> 171
<212> DNA
<213> Homo sapien
```

```

<400> 1437
ttttgccacc tcaagaagcc atttttcttgt ctgttttcctt ctttacctac ccctacaacc      60
tatgaacaaa taccataact taaaaattta ggtagtctac aactcctaca aatttttaagt    120
tcagaqacta cccaaagaac tgtggaagat gcagcaatat aaaagttttt t              171

```

```
<210> 1438
<211> 408
<212> DNA
<213> Homo sapien
```

```

<400> 1438
tctgagtgga ggtaggctaa caacacattt tgactttstc ctcaaaggat agctttgaaa      60
aacaagtgta accaattggt acaccaaat  aaaatggcaa tattaaatcg gtaacaaaac      120
gatccacatt ttatacaata ttgtatttcc aaacatacat aggtcatgaa aatcagagaa      180

```

cctaatatag	caccgttgaa	accattcatt	atccttcatt	tgtgtatgca	attcagaatt	240
tcggcagaag	acaacaaatg	gaaaatgcct	ttcgtttcta	taaatcattt	tggatttcaa	300
ttaaattctt	gccttagtaa	agggtattct	tatctcaaga	tcaattagcc	gttttttagct	360
ccaccgtttt	ggaagtaaaa	atgatgagct	acatctactt	tttaattt		408

<210> 1439

<211> 168

<212> DNA

<213> Homo sapien

<400> 1439

ttacacaaca	gctataaacc	tgaacacata	tgctatcatc	atgccataag	actaaaacaa	60
ttatatattag	cgacaagtag	aaaggattaa	atagtcaaat	acaagaatga	aaaacgcagt	120
acatagtgtc	gcgaactcaa	atcggcattt	agatagatcc	agtggttt		168

<210> 1440

<211> 307

<212> DNA

<213> Homo sapien

<400> 1440

tttcacatac	gaagaaatca	actgtgatta	tgaagtgaca	gccagctaaa	tatgtcttgt	60
attttctctc	ttcctttttt	tgcctaactc	atcctttact	tccattcctg	cttccatggg	120
aatgcaggct	caaataaatt	actaggatac	aagattactt	caagcctctt	ttctgtggaa	180
ctcataatat	gataagcatt	tggtacaaga	ttgcctgtag	ttgtttaggg	gacaaattat	240
attagggaaa	gaaagtcttt	ctttagtgtg	ttaaattttc	tattataatt	gggtactaaa	300
tttattt						307

<210> 1441

<211> 684

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(684)

<223> n = A,T,C or G

<400> 1441

ttaagtctctg	gagtgttcac	ttctgagcct	gaattccctc	ccctgcaaaa	tgggggaata	60
ccctcctcag	agggtccctg	cgagggtgag	gggagattca	gcatggcagg	tgtgctgggc	120
acggcagggc	ctgggaaggg	cagatccctt	ccccatccct	gccacaaaca	acccaaacct	180
ttaaaggaga	gcaatggcct	tgtgtcaaaa	acaaaaacaa	aacaaaaccc	tgtcctagga	240
gactggggcc	ctaatttcta	atagcaagcc	tttatgagtc	cctaacactc	tactgggctg	300
agtatctcac	acgccagagg	ataacctgcc	ttctgtctac	caccaccccg	tagtagttgt	360
cattgtgtcc	atttcacaga	tgaggcaaaag	gctcagaaga	gtcatgtgtt	aaaccagctt	420
ctagagccca	tgcaggagct	gcagggtggga	gaatcacctc	taggtgtctt	tcccatagaa	480
tcctcacctc	ctgagtgtca	ctcactcagc	ttccaatggg	tgtgtgacct	ttgaccagct	540
ttcttcctct	ctgggcctca	gtttccacc	tggacaaagt	aagaggtctc	ttggcttcan	600
gtaagtctct	cctaaacttc	tttttccttt	tcatttgagc	atcctcttca	tttttgccac	660
ctctctgtca	tttacaggct	tttt				684

<210> 1442

<211> 166

<212> DNA
<213> Homo sapien

<400> 1442
aaaaaatcag cccctaattt ctccatgttt acacttcaat ctgcaggctt cttaaagtga 60
cagtatccct taacctgccca ccagtgtcca cctccggcc cccgtcttgt aaaaagggga 120
ggagaattag ccaaacactg taagctttta agaagaacaa agtttt 166

<210> 1443
<211> 194
<212> DNA
<213> Homo sapien

<400> 1443
tttgccctgt caaaagaaga gctaaagaca gttatataaa aattaagggtg ggctttcaga 60
ctggctaaca caacaacatt ccatgagtag atggtaattt atttttgttt atccatttcg 120
ttgggagcaa ggacaaaaat gtaaattctac accttgctta tcaaaattgc cgaaaaaaga 180
atgctctgcc tttt 194

<210> 1444
<211> 96
<212> DNA
<213> Homo sapien

<400> 1444
gagagtcgag agtgggagaa gagcggagcg tgtgagcagt actgcggcct cctctcctct 60
cctaacctcg ctctcgcggc ctacctttac ccgccc 96

<210> 1445
<211> 365
<212> DNA
<213> Homo sapien

<400> 1445
gggatgagct gaccaagaac caggtcagcc tgacctgcct ggtcaaaggc ttctatccca 60
gcgacatcgc cgtggagtg gagagcaatg ggcagccgga gaacaactac aagaccacgc 120
ctcccgtgct ggactccgac ggctccttct tctctacag caagctcacc gtggacagga 180
gcagggtggca gcaggggaac gtcttctcat gtcctgtgat gcatgagggt ctgcacaacc 240
actacacgca gaagagcctc tccctgtctc cgggtaaatg agtgcgacgg ccggcaagcc 300
cccgtcctcc gggtctctcg ggtcgcacga ggatgcttgg cacgtacccc gtgtacatac 360
ttccc 365

<210> 1446
<211> 386
<212> DNA
<213> Homo sapien

<400> 1446
tctggaagt tcttgctcgg gtcccttcac ctccccgccc tttcttarag tgcagttctt 60
agccctctag aaacgagttg gtgtctttcg tctcagtagc cccaccccca ataagctgta 120
gacattgggt tacagtgaac ctatgctatt ctcagccctt tgaaactctg cttctcctcc 180
agggcccgat tcccaaacc ccatggttcc ctcacactgt cttttctacc attttcatta 240
tagaatgctt ccaatctttt gtgaattttt tattataaaa aatctatttg tatctatcct 300
aaccagttcg gggatatatt aagatatatt tgtacataag agagaaagag agagaaaaat 360

ttatagaagt tttgtacaaa tggttt

386

<210> 1447

<211> 261

<212> DNA

<213> Homo sapien

<400> 1447

aaaattataa	ctactcattc	tttcttttagc	cttagttaat	ttgagcagaa	gccacaacaa	60
gcaaaccaca	ataaatntag	aattggcaga	aatccacatt	aactcctctt	cccaagtttc	120
cacactacta	ccatttacag	ttgtaggttt	gtaatgtata	attatgtaat	gcagaaacta	180
gctttgactt	gtgtaacgat	gcactgtcaa	agtaagcaaa	gtaagaattg	aaattccaca	240
ttcccagaat	ttaacactca	g				261

<210> 1448

<211> 404

<212> DNA

<213> Homo sapien

<400> 1448

aaaaaaagga	aaaagtttta	ttacgaaact	agtttgtata	aaacagggtt	atacatattt	60
ttgtaagttt	gtaataaaac	agtaagaaaa	aaaaggcagt	aatagaaatc	tccaaaaggc	120
aacctatcaa	aaccaactgg	ctgccacttt	gagtttggac	agtagctgca	taaactttgt	180
tcttcttgaa	cagtatttaa	taacatcatt	aatacattaa	caacatttct	ataaagtaag	240
acacattggt	gctgaagtac	aactggtggc	ctcttgatct	cacctatgag	gagagttcct	300
tacaaaacca	catagggaaa	attgcagttg	taagggtgaac	tacacatcta	aaatatgcag	360
aggtaatagc	attacatggt	aaagtatcaa	gatatacaca	tttt		404

<210> 1449

<211> 230

<212> DNA

<213> Homo sapien

<400> 1449

aaaagttcta	gtggtacggt	aggagctttg	caggaagttt	gcaaaagtct	ttaccaataa	60
tatttagagc	tagtctccaa	gcgacgaaaa	aaatgtttta	atatttgcaa	gcaacttttg	120
tacagtattt	atcgagataa	acatggcaat	caaaatgtcc	attgtttata	agctgagaat	180
ttgccaatat	ttttcaagga	gargcttctt	gctgaatttt	gattctgcag		230

<210> 1450

<211> 194

<212> DNA

<213> Homo sapien

<400> 1450

aaaaactcct	tttggtttac	ctggggatcc	aattgatgta	tatgtttata	tactgggttc	60
ttgttttata	tacctggctt	ttactttatt	aatatgagtt	actgaagggtg	atggagggtat	120
ttgaaaattt	tacttccata	ggacatactg	catgtaagcc	aagtcattgga	gaatctgctg	180
catagctcta	tttt					194

<210> 1451

<211> 106

<212> DNA

<213> Homo sapien

<400> 1451
aaagatgaca aatactgggtt aattagcaat ttaagaccag agccaaatta tcccaagagc 60
atacattctt ttgggttttcc taactttgtg aaaaaaattg atgcag 106

<210> 1452
<211> 349
<212> DNA
<213> Homo sapien

<400> 1452
ctgcagatcc tgcggaacgt caccaccac gtttccgtga ccaagcagct cccaacctca 60
gaagcagtggt tgtctgctgt gaggcaggcg ggggcgtctg gaataacaga ggcgcaagca 120
cgtgccatcg tgaacagcgc cttgaagctg tattcccaag ataagaccgg gatggtggac 180
tttgcctctg aatctggtgg tggcagcatc ttgagtactc gctgttctga aacttacgaa 240
acaaaaacgg cgctgatgag tctgtttggg atcccgcgtg ggtacttctc gcagtccccg 300
cgcgtggtca tccagcctga catttacccc ggtaactgct gggcattta 349

<210> 1453
<211> 302
<212> DNA
<213> Homo sapien

<400> 1453
aaaaataatg tgcaagagca tcatgagaaa gaagaggggt gaagagataa tccagaggaa 60
catcaaattgt aagagtatac actcaaagac aggtttaaga aagaccagtc agagaagtaa 120
agaaaaaaat caagcaagaa taatgttgca aaaattaaca agaaagtgtc aagcccagag 180
tgggttagcaa tgccaaacta ccatgagtaa gccacataaa acaagaactt tgggttcaac 240
tgctttaaca atcagacctt tagattcaca taacaggagt tacaaaatta agagcctctt 300
tt 302

<210> 1454
<211> 268
<212> DNA
<213> Homo sapien

<400> 1454
caagcgtaaa ccgcgggagc cgagcccagc taggaatgca gacctctga aaaccaagcc 60
gaggactgcg gggtcgggtg tccacgcaga gtgtcagctt cctctggtgc aaccagcaag 120
tcttccagta tgaatccac agaaaccaag gctgtaaaaa cagaacctga gaagaagtca 180
cagtcaacca agccaaaaag cctacccaag caggcatcag atacaggaag taacgatgct 240
cacaataaaa aagcagtttc cagatcag 268

<210> 1455
<211> 207
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(207)
<223> n = A,T,C or G

<400> 1455

```

ctgtcgagag cagccctgcc caagawtgnc ggggtgggggc tggtgccaac gggttcccaa    60
ggscctttcm actttkgaak ggctggartt cttgggaaac cmaaacsctg actacctgsc    120
ttttttcttg ggcatygacs tgcttcattt ccaaaaratga tggkgcagggt gaccttttcc    180
atcgtgagct aaaaaaagggt taggaggg                                     207

```

```

<210> 1456
<211> 181
<212> DNA
<213> Homo sapien

```

```

<400> 1456
aaatttctgt ctgctaaaat ctatcaaata cattaaggaa aagtccact tggcacatct    60
cccacaccag atgttaatta ttcatactgc atgactgagg attttgagg cagagagaga    120
ttcatctgca atatttgga caccaatgga ggtctacgtc aacacagaat ttatacagca    180
g                                                                    181

```

```

<210> 1457
<211> 309
<212> DNA
<213> Homo sapien

```

```

<400> 1457
aaaaagwtca gagttgaaat gcctttcaac cattkcoctt tgtggtcatt tttcttgctg    60
cctttttcac ccaagattca gcagtcagat gtttactgca cacctattac ctattatttg    120
ctgttcttgc atggttcaaa ccaccattct gtagccaccc atcctttgcc ttatctaaca    180
aacatttttc caggaagggt gaaaaggaag tgttgctctc attgtgtgac tcagtgtctgc    240
tgtccatccc atggaaacat gggcacaaac aagtatttgt ccagcctatt gcaggctttt    300
cctgactttt                                                         309

```

```

<210> 1458
<211> 117
<212> DNA
<213> Homo sapien

```

```

<400> 1458
aaagactatt gagaaatagg aaggatttga gagattattg ggtttcatca kagcagactt    60
aagtagcctg gttgatthta gatttgtcac agcaaaatca tgcttgatg ctcgagg    117

```

```

<210> 1459
<211> 575
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(575)
<223> n = A,T,C or G

```

```

<400> 1459
aaagaatgca taccagaaca ttataagca gtggagtgag kthtattaag aatagtacta    60
ctacaataaa cgctggctaa ataagaagtg cattatgtga agcactatgg gtggtatatt    120
cttwgmcaaca tactctkggt accttgaggy agatmacrca tgkgaaccaa cttcggcata    180
cattttcagt tgctgcgagg aatcatgtgt tttaacgaaa tgcgtcagta tgaaaaactt    240
gaaaatattc atgaatgawg aacgcmttag gaaaaaaata kstattctca tgcaattatg    300

```

tacagtctca	ctgtgtarat	ctcaaggcaa	ggtttgccctc	ctgtaaacca	gatcaagggtg	360
ctatgagaga	ncgccytgnc	ttattgcatt	tcttttctcc	tmctgcgcca	gcattatatt	420
gctctagnct	ttatttttgt	gtgcacactg	acatgccatt	aaaratgang	ractatctca	480
catgtagaaa	argaaagnmc	ttggankcta	cctcaggctg	ctaccacgct	aaggggyaat	540
tctgcaggat	atccatcaca	ctggcggcgc	gattg			575

<210> 1460

<211> 444

<212> DNA

<213> Homo sapien

<400> 1460

ctggggggttc	cttccttcac	gttgagaacc	tggagcagag	agtctacca	cttaagaaat	60
attagaaaga	gttcagcaaa	cagagtgcgc	tgaagtctaa	tcctagaagt	aaatccattc	120
ctacaagtca	tcagcatcac	ttgggagctt	gttagaaagg	caaattcttg	gttcagccta	180
acacctacta	aatcagaaac	tctgggggcg	gagcgcagca	atctgtactt	tcacaagccc	240
tgcagggtgat	tctgagcctg	taaaatttga	gaaccagagc	tgtccccag	gagataaatt	300
aacttctact	tttttttgag	ctactgcatt	ttgggatctt	attgttttat	cagcttaaca	360
tgcctcctga	tatgattact	caggatgtgt	tcaaccaatg	ttgggtaatg	tattatcccc	420
aggaacttat	tactagagga	gcag				444

<210> 1461

<211> 536

<212> DNA

<213> Homo sapien

<400> 1461

ctgcaaccct	gggactgacc	gggaggctct	gattattttac	ccmaccacag	gtaggttgtg	60
ttctgaatct	caggttcaca	gggtaagggt	cagcatcctc	atcctccacg	gggttggagt	120
tgttgctggt	gatgaagggt	ttgggtggct	ctgcatagac	tgtgatcgtc	gtgactgtgg	180
tcctattgag	gccactggct	gagttatttg	cctggcaggt	atagagtccg	ctgttcttct	240
cagtgatgtt	ggagataaag	agctcttggt	tgtgttgctg	gatgttccca	tcaatcagcc	300
aagaatactg	tgcagggtggg	ttagaggctg	catggcagga	gaggctgagg	ttcaccctg	360
gacggtaata	ggtgtatgag	ggggaaatgg	tggggkerc	ygggcatag	aggacattca	420
ggatgactgr	gtcgtgtgts	tyarcactta	atkcgttctg	gattccacac	tcatagggtc	480
ctacatcatt	ccttgtgaca	ytgartagag	tgagggtcct	gttgtcattg	gacagm	536

<210> 1462

<211> 409

<212> DNA

<213> Homo sapien

<400> 1462

ctgakagacc	aggagaagtt	ccagatgcag	agactgtgat	gctcttgact	atggaattat	60
tgcggccagt	agccaagtta	gagacaaaac	aggcataggt	cccgttatta	tttggcgtga	120
ttttggcgat	aaagagaact	tgtgtgtgtt	gctgcggtat	cccattgata	cgccaagaat	180
actgcgggga	tgggttagag	gccgagtggc	aggagaggtt	gaggttcgct	cccgaagggt	240
aagacgagtc	tgggggggaa	atgatggggg	tgtccggccc	atagaggaca	tccagggtga	300
ctgggtcact	gcggtttgca	ctcactgagt	tctggattcc	acatacatag	gctcttgctg	360
catttcttgt	gacattgaat	agagtgaggg	tcctgttgcc	attggacag		409

<210> 1463

<211> 502

<212> DNA

<213> Homo sapien

<400> 1463

ccttcagcct	ggatccttta	tattaagatc	aatgaggacc	atctctggaa	gatgtctggc	60
atggtacaga	ctgtctgagg	ccractgaac	acaggccctt	accctgattt	tatcagttaa	120
aagctatggg	actagtttcc	ttacctctaa	aatggagaga	ataatagaat	cttccgtcta	180
agactkctgt	gagcataagc	cgagaaaatg	gaggtaaact	gcttagccca	atacttggat	240
tatcgtaa	attcagtaaa	actagccacc	gttggtattg	taattattat	tttgtatttt	300
attatacatt	tcatggaaac	ttaaaagtta	gtgataatca	cctcattttc	agttgccttg	360
ctttcttctc	gtaaatttta	ttctctctta	tcttgctcac	tgtctttaag	cattgccagt	420
ttagtataat	tattttcccc	tatcctctat	aaaatcatat	acaggatgga	tttgttgatc	480
tcagacatgt	tcactgagtt	tt				502

<210> 1464

<211> 294

<212> DNA

<213> Homo sapien

<400> 1464

ggcggctcgg	actgagcagg	actttcctta	tcccagttga	ttgtgcagaa	tacactgcct	60
gtcgccttgc	ttctattcac	catggcttct	tctgatatac	aggtgaaaga	actggagaag	120
cgtgcctcag	gccaggtctt	tgagctgatt	ctcagccctc	gggtcaaaaga	atctgttcca	180
gaattccccc	tttccctctc	aaagaagaag	gatctttccc	tggaggaaat	tcagaagaaa	240
ttagaagctg	cagaagaaag	acgcaagtcc	catgaagctg	aggtcttgaa	gcag	294

<210> 1465

<211> 249

<212> DNA

<213> Homo sapien

<400> 1465

gtgcaggtct	tcagccgtga	cccgggtaccc	cagctctaag	ggaggtggca	gcatcaaagg	60
ctccctcgc	ctgcgtggca	gcaggggaat	cttgctgcta	cggggcctag	agtcatggga	120
tctgggggag	ccaccctcgg	gggcaagtgt	ctgccttggt	gctgtacctg	ccttggtttc	180
acagcgggtga	cccgaagaga	cagcctgagg	tccgtctcca	ctcactgtgt	ttgaggaact	240
gtgggcccag						249

<210> 1466

<211> 203

<212> DNA

<213> Homo sapien

<400> 1466

cctcagacac	cttttaattg	cttaggagaa	accattgtct	ctgactgcag	gtttgaataa	60
gttgaagacc	agagaaaagt	acacactggg	ctacaaagga	atttgagat	agccaaggaa	120
caggatttcc	cctagcaagc	taccttctgt	tcaaatcatg	aaaaaagact	atttcccctt	180
agaataggga	agcttgctat	ttt				203

<210> 1467

<211> 223

<212> DNA

<213> Homo sapien

<400> 1467

ctgtcagaac	aggaacgacc	tgggttatgg	aagcccagaa	agggaggagg	acttcttttg	60
gtcccagtga	aagatgcttc	cagaatctgt	agccttactt	atttgcttgg	atctcactgg	120
aataacttgg	tggtaggtgc	accggttctg	gggtgatcac	tgggtttgct	gcatagatgt	180
ttggatagat	gacactcaca	ttgcttgatt	gacagcagac	caa		223

<210> 1468

<211> 177

<212> DNA

<213> Homo sapien

<400> 1468						
ctgcattatg	tgtgttttaga	acgagaagtt	gtttgtacag	tatttttcta	ttgaccgctt	60
cctgtcttggc	tgaaacctgg	gcattctttc	caatagacag	aaaatcagag	agtcaaactct	120
gatgcgcaat	gagttgttct	gagaccagta	atccacggtg	ctgcaatttg	gggttttt	177

<210> 1469

<211> 185

<212> DNA

<213> Homo sapien

<400> 1469						
ctgaagctga	gaagtagcct	atctatggar	gagacttttg	tttgtgttta	attagggcta	60
tgagagattt	caggtgagaa	gttaaacctg	agacagagag	caagtaagct	gtccctttta	120
actgtttttc	tttgggtctt	agtcacccag	ttgcacactg	gcatttttct	gctgcaagct	180
ttttt						185

<210> 1470

<211> 482

<212> DNA

<213> Homo sapien

<400> 1470						
ctgaccagga	gggacggttc	tgtggacgag	gacttcgtag	ctgaggagcc	agatttcttt	60
ttgggtccctt	cctcctggaa	tggaatcgtg	gcgctactgt	ggagatctga	gttgatgtag	120
cacctgcttc	ctcggatgta	gtccgcaccc	cggaccagat	gccgctcggg	cgtgggtctg	180
gagaaccggt	atgggggaga	ggagctctct	tcaatgatcg	gaggaatccg	ctcgttactg	240
aaataccggc	aaagggcatc	ctcccccttc	ctgccatgac	ctcgaggtct	ggcaaaaggg	300
tccacaatcc	ccatccagtt	cccatcagca	ggcatggaca	aaggccgtgg	cttgcccttca	360
gagggacgag	aaagaagggtg	acaagtttga	tgagttctgg	aacttttagtg	aaccgttccc	420
tttatgtata	acttagacct	cacaatacca	caccactta	gacagaagca	ataacaaatt	480
tt						482

<210> 1471

<211> 257

<212> DNA

<213> Homo sapien

<400> 1471						
tgtgtgaact	tagactkwtc	aattcaacat	ttttaacrt	tkaaatacta	ttgtgaattc	60
aatgaagtgt	tcttatgcc	ctaacttta	cctattccct	tactcamgga	tgtaggyaaa	120
rgatggtaac	aatacactat	tkggcaagat	aatgtmctga	catmtytagc	aatstttttt	180
gmcagtggct	tkcaactgma	mwkaaskkam	mkaatattgy	tkctgtwsgt	arattattat	240
tctgwywta	atcattt					257

<210> 1472
 <211> 342
 <212> DNA
 <213> Homo sapien

<400> 1472
 cttttgcgag cctctgccgc agcagctccg ttttcacgcg catctcgttt ttgtgtgtgt 60
 gtttttgttt tgtttttgtt tttgtttttt tgtttcagag aattggaagc taaagctacc 120
 aaagacgtag aaagaaatct tagcaggtaa gatgggagag ctttcctgtct cccgccccac 180
 gataatcgta tattttctact ccgattcgcc ctttctgggt tgagaagttc ccccgtgaca 240
 ttttcttccg caccgggaga gcagacattc gggagaagcg gcctggggga atactggagg 300
 gattgctggg agatgcgtaa ttacgcgtgt gtttctttct tt 342

<210> 1473
 <211> 526
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(526)
 <223> n = A,T,C or G

<400> 1473
 ctgctacatg tcttcacagc ccaggaattc aaggcccagg tggcagcagg aagaaacagt 60
 ggaaaagcaa ggggaagaga aaagagaaaa aggaggggga aagtctgcat aactgtcata 120
 acctctgctt ctctgtctct gtaacaaacc cacaaccagg aagagtcatt gtctggaaca 180
 atcatgggac cccaaacgcc tgtaggtttt ttaccaccaa acatcaccca tggtgtctct 240
 aagctgtcat tttgttccca cagttacctt gcatcacgga tgcccaattt atggcccagg 300
 aaggctgacc caggctaagg gcagtctcac tccacagcca tgcaatggac agtctgaatg 360
 tttcctaccc cagaccttta ctgacctcta ctatttcctc ctctgatata aaagaaaaac 420
 acttttaatt ttctnctgca tntacatct cctnctaaaa antttggcct aattgncatc 480
 aaaaccttgt aggaatctga aattttgggt cttctgaatc ttancc 526

<210> 1474
 <211> 187
 <212> DNA
 <213> Homo sapien

<400> 1474
 aaacttgttt gctgtgaaca attgtcgaaa agagtcttcc aattaatgct ttttatatct 60
 aggtacactg ttggttagat tcaaggcccc gagctgttac cattcacaat aaaagcttaa 120
 acacattgtc caaaaaaaaaa aaaaaaaaaa gcccckcccc sgggggscck ttmaaggggr 180
 aawtccc 187

<210> 1475
 <211> 474
 <212> DNA
 <213> Homo sapien

<400> 1475
 ccattctctt tatctcaaac cgaagaaaga tatgatgcag gcagtagttt tttcttagtg 60
 cctcatagta tctaatagca gaaagtgagc cgcatagcgg agcacattag tttttatgta 120
 tctacaggac agaagggcca cttagctgat ggctccagggt ttcctttgat ataactaat 180

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gttcctatga cctcaaagac tgaacacatt tccctaagt cttcacttag caccaggag 240
caacttggag tcttcgcaga ataaaatcca ttattttaat gtagattaat acatgggtac 300
ttatatctat gcaggctctat aatagtttat tcctatgtaa gctttattaa aagcattggg 360
atgtttttaca taaaaagtta atgtgaatat tagaaaaaaa ggacaatatt aaagcagttt 420
gtagaatttg tcccccccc aaaatgaatg aaatacacia tagatgtaca aaaa 474

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<210> 1476
<211> 401
<212> DNA
<213> Homo sapien

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<400> 1476
ccttggggac agggcaggag gacgcacacc tcatggacag ggcggccagg gctgagatac 60
cagcggggtg ggtattcccg gcgggtgctt acctccaaca gtgtcttgct agcaaaggcc 120
atgatgccct caaagatgat gacgtttgca ccatacagt ttttctgtga agaaaccag 180
gagttgcgga gcctggctca tgtgcctgca gcccccgag gccccctctg cagggccctg 240
gcctaccag tccttcttcc ggctgtgctt ggtgaagtca taaatgggca ccttgacact 300
cttccccctgc ttcagcttct tgagggtgga aatgatgaag gtcgaagtca aaaggcatct 360
ggggtgggtc gaaagtttga aagtttgctt gtggtgccgg g 401

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```

<210> 1477
<211> 753
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

```

```

<400> 1477
cagcatgctt aaaaagttgg aggaattgga acagaaatac acctwmcaac ctkrmcctnt 60
taccaaaaac aaacnagtgg tatkggamcc sacctttmrk ctttttcmac macttatttc 120
aaagytsrtt kgtggkgaaa agmcacycyk snatscywcc rcacccttgw aggcyygttg 180
acttrataac akknctgctn atnwnrtgtga ggggtgatay tgatgrtgaa attgcactta 240
gctgggttat aattkgaaag tcaaagtctt atttgataaa gatgtgaatg agagaaatac 300
agtaaaagga tttaggaagt tcaacatttt gggcacgcac acaaaagtga tgaacatgga 360
ggagtccacc aatggcagtc tggcggtctga atttcggcac ctgcaattga aagaacagaa 420
aaatgctggc accagaacga atgagggtcc tctcatcgct actgaagagc ttcactccct 480
tagttttgaa acccaattgt gccagcctgg tttggtaatt gacctcgaga cgacctctct 540
gcccgttggt gtgatctcca acgtcagcca gctcccagac ggttgggcct ccaccttttg 600
gtacaacatg ctggtggcgg gaaccagga acctgtcctt cttcctgact ccccttggtg 660
cacgatgggc tcancctttt anaagtgcct gagttggcag tttttcttnt tgtcacccaa 720
aagaaggtct caatggnngg acccanaacc ttt 753

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```

<210> 1478
<211> 421
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

```

<400> 1478
aaacctatac tcactttccc aaattgaatc actgctcaca ctgctgatga tttagagtgc 60
tgtccggtgg agatcccacc cgaacgtctt atctaatacat gaaactccct agttcccttca 120
tgtaacttcc ctgaaaaatc taagtgtttc ataaatttga gagtctgtga cccacttacc 180
ttgcatctca caggtagaca gtatataact aacaacccaa gactacatat tgtcactgac 240
acacacgtta taatcattta tcatatatac acatacatgc atacactctc aaagcaaata 300
atTTTTtact tcaaaacagt attgacttgt ataccttgta atttgaaata ttttctttgt 360
taaaatagaa tggatatcaat aaatagacca ttaaccaana aaaaaaaaga aaaaaaaaaa 420
a 421

<210> 1479
<211> 214
<212> DNA
<213> Homo sapien

<400> 1479
ggaaatatat aataaaaaatg ttaaccagaa ggtaaacttg agtgtaattg tcagacagac 60
acacttttcc accagtgtat ttgaatttta gaccagtgc cctgttttgt ggcattcatg 120
caaaacatgc tgagggcttt gtccatctgg tcatcgtgtc caaatttcag tcatgtttgt 180
agcaagattt tggaagcatt catatttccct tttt 214

<210> 1480
<211> 434
<212> DNA
<213> Homo sapien

<400> 1480
ggaggccgct tacgtaaagc ccaggggaca ttcaacagcc cctactaccc aggccactac 60
ccacccaaca ttgactgcac atggaacatt gaggtgcca acaaccagca tgtgaagggtg 120
cgcttcaa at tcttctacct gctggagccc ggctgtcctg cgggcacctg cccaaggac 180
tacgtggaga tcaatgggga gaaatactgc ggagagaggt cccagttcgt cgtcaccagc 240
aacagcaaca agatcacagt tcgcttccac tcagatcagt cctacaccga caccggcttc 300
ttagctgaat acctctccta cgactccagt gacccatgcc cggggcagtt cactgtccgc 360
acggggcggt gtatccggaa ggagctgcgc tgtgatggct gggccgactg caccgaccac 420
agcgatgagc tcaa 434

<210> 1481
<211> 131
<212> DNA
<213> Homo sapien

<400> 1481
aaaatcccca taaatctttt ctgtcctgag gtatgtgcaa aataaatcat aacttgata 60
tcaactagag ctgaggcttt gactttttac tcattaaaac tagttgttac aggaactacc 120
tttagatatt t 131

<210> 1482
<211> 324
<212> DNA
<213> Homo sapien

<400> 1482
tgctcgctcc tcagaggctg aaaacatgag aagctagggtg tggtgaaacc aaagcagctt 60

tattgttcaa	atgctaaaga	cgggaggatg	gactgggtca	agccttaaag	aaaccatctc	120
gactttttga	actcagtga	cgggtttaag	gaaaacgtgg	gaaatatgca	aaggtggtgc	180
aggaggggtgc	aggtctgtgt	gtcttattcc	catggatatc	ttgagtaatc	gcttgtccag	240
aggtgggggtt	tgtgtcatcc	tgaattcaac	ccagcaatgg	tagggtagctg	ttcataactc	300
accctaagcc	agaagattcc	tcag				324

<210> 1483

<211> 393

<212> DNA

<213> Homo sapien

<400> 1483

atgtttaatg	aatgatacag	gatacatccc	tggtggaagc	ttgcaaaaaga	cacatacact	60
gtggtacata	tttgatttaa	tagaagttgt	ttatcaggct	atatatatat	ttgccccaac	120
atgcaccaca	ggataaaaata	actatttaca	taacataggg	tatttaattg	acatagacta	180
tcagctttgc	tgagagcaga	agatggcaaa	gcaatactgc	agcagaaagt	ggaacaacta	240
ttctaaagca	atactttaga	tatatTTTTc	tagaatggat	ttattagatt	actttttgga	300
aagcatttga	cctaaattaa	atatagagct	ctgaaactta	gaataaaaatt	tgcacttgct	360
gaaacagaat	actttgcata	aaaataatcc	ttt			393

<210> 1484

<211> 323

<212> DNA

<213> Homo sapien

<400> 1484

tttagatcag	aaagtttgag	gtcttcatca	gcagacactc	gtgcttctat	ttttcttggt	60
ttatcgaaca	gttctgaaac	tttgagaaaa	aacttgcata	tatctgtaga	atcctgagtt	120
cctaaagcat	ataatgaaga	accaattcta	ttgtaatcat	ctgcagcact	tttgtgggat	180
cttgctattc	tatcagattt	agcagatgca	tccttaactc	ggttatgata	ttccaaaaga	240
aatgttcggt	cgtgctcaaa	gaaatcatct	acatccttta	ctcctgaaac	gattactcca	300
tctgctgatt	taaccatggt	ttt				323

<210> 1485

<211> 405

<212> DNA

<213> Homo sapien

<400> 1485

aggagcgtca	ggaaaacacg	ggcagcctgg	gctctgacct	gagccactcc	aactccacgg	60
ccacgcagga	agaagacgag	gaggaggagg	agagttttgg	gaccctctct	gacaaatact	120
cctcccggag	actattccgc	aaatccgcag	cccagttcca	taacctgcgg	tttgggggaa	180
ggagagatga	gcaaatggaa	ccggagccca	aattatggcg	aggccggaga	aacaccccg	240
actggtactt	cttgcaagtgc	aaacacctga	tcaaggaagg	gaagctgggt	gaagccctgg	300
acctgtttga	gaggcagatg	ctgaaggagg	agcgattgca	gcccattggag	agcaactaca	360
cgggtgctgat	tgggggctgc	gggcgggttg	gctacctgaa	gaagg		405

<210> 1486

<211> 230

<212> DNA

<213> Homo sapien

<400> 1486

aaaaatatgt	ggattgtgct	tgacgtagca	aatttcttct	atctgcaaaa	gcccttttct	60
------------	------------	------------	------------	------------	------------	----

cactacctca	tatacacccc	tttgatatgg	caccatgttt	gaaattggag	cgtacacaca	120
tagtcattgg	atttactggg	attctctttg	tgacaagtag	gagccaaggg	gtcatgcagg	180
gaagcgaacg	tgcccgataa	ggatttcctt	gttgccagag	tgtttagcag		230

<210> 1487

<211> 273

<212> DNA

<213> Homo sapien

<400> 1487	
tttccactct	gcacattgta
ggttgagtga	atttgccttc
caaagatttt	aagcattttg
ctgctttgtg	ctaaaagcat
attctattct	gctgccccta
	cctgttcctg
	agg
	60
	120
	180
	240
	273

<210> 1488

<211> 452

<212> DNA

<213> Homo sapien

<400> 1488	
cctactgtgc	cccgtaggca
tagaaaagtt	cactattttca
agatatttaa	gtagatgctt
cagtacaaca	taaacattgc
acatttttaag	tgtattttaca
attaaaacttg	atgcaagtta
tcaaccatag	gttggttatag
tatgaatacg	atagaatata
	tatttaacttt
	tt
	60
	120
	180
	240
	300
	360
	420
	452

<210> 1489

<211> 653

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(653)

<223> n = A,T,C or G

<400> 1489	
cctgctcttc	tcttcaaagc
ccagagcatg	gaagtctgat
ttctatagat	tcttatcttg
atgataggga	aagagatatt
tttcttttcag	gtgccccatg
ttctaggact	gagacacaaa
gtttggaatg	gaaaggtgga
tttggtctttc	ccaggtcccc
aaattaggga	acacctaata
acgatcgaga	gaatcnaaca
gagctaaaaa	cctgrcttgg
	acttagtaca
	cccagggtga
	ctcacaggac
	caactctgac
	aggaagactg
	gttccccag
	accaggtcca
	acttgacttt
	aaaccaactt
	cnaactgnct
	gatgccagaa
	cagggktaca
	acatattttc
	ttgctccaaa
	agacaaggta
	catcatgtca
	agtttctgct
	caaaatgtgc
	catataagct
	tcaaaaactc
	gtnagagagg
	ancatgnccc
	60
	120
	180
	240
	300
	360
	420
	480
	540
	600
	653

<210> 1490
 <211> 363
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(363)
 <223> n = A,T,C or G

<400> 1490
 taacctgaca aaataaaaact tagtaaaaatc takaactggt tcttggccta cttgagagga 60
 acttccatat ttccacagcc atctccgaaa gcagcagttg ctgtaaatta actgagactt 120
 ggaaatggtg cagactgtct tggtagagct gttcttatag cacaatttta tctggaaaat 180
 aaacttgtaa atgcgtgctg tatattaata catgtgtgcc catatttatt tttattatct 240
 cctgccagtc tttgctcaat gggagatgac agaccaactt ctcaacgtga tttccccatt 300
 tcattgaatg agatttatat gccacttatg aaaaaaata ctgctgngaa agaaatgtac 360
 ttt 363

<210> 1491
 <211> 163
 <212> DNA
 <213> Homo sapien

<400> 1491
 taatcagccc ctaattttctc catgtttaca cttcaatctg caggcttctt aaagtgcag 60
 tatcccttaa cctgccacca gtgtccaccc tccggccccc gtcttgtaaa aaggggagga 120
 gaattagcca aacactgtaa gcttttaaga aaaacaaagt ttt 163

<210> 1492
 <211> 184
 <212> DNA
 <213> Homo sapien

<400> 1492
 yattccccag gggaaaaatt gaaagtcaaa ctattcacca agagaatgca ttgtctttgc 60
 aatgagcct agaatacaga ctttttataa atacatgttc aagtttcttg tggttctaaa 120
 tggacactga gaactgaaac tgtctacacc aagtttataa tctatattaa ctatcattwt 180
 acag 184

<210> 1493
 <211> 273
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(273)
 <223> n = A,T,C or G

<400> 1493
 aggtaawttg tgatatttag tgcacattta cgtgtaggnc crtcttkaat ggtaaagaca 60
 gatacaagcc tatggcacac ttctccaaag caagctatac ttgagagcca attcccaaat 120
 aagacagcag agatctgatt aatgcaact gtgcaaacat tcaacagaca tggtgaatgt 180

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<210> 1494
<211> 343
<212> DNA
<213> Homo sapien
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<210> 1495
<211> 378
<212> DNA
<213> Homo sapien
```

```
<210> 1496
<211> 181
<212> DNA
<213> Homo sapien
```

```
<210> 1497
<211> 373
<212> DNA
<213> Homo sapien
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[illegible]

<210> 1498
 <211> 337
 <212> DNA
 <213> Homo sapien

<400> 1498
 gctctttagt tgccttttctt ttaagggaga ttagtagtaaaa gggaaaatgt agctcttagt 60
 ttacacttca aagatgtggg ggtctttcag agaactaaga ataacagttt tatgtgcaga 120
 gagagtttgc cagatctgaa gcatatacct cattgactag gctgttactt tgggataggt 180
 tgcagtacca gccacagcca gcagatagag gaaaagacac acataaactc gcttctgagc 240
 gtccacttct gcaactctctg ctctgctgtt actcagcccc tgagtctgac tcatctctgc 300
 acaacctctc tgtgccatga agataagtct tccatgg 337

<210> 1499
 <211> 314
 <212> DNA
 <213> Homo sapien

<400> 1499
 catgcggagg gacttttagca tggctgataa ggctccttctt accattccaa aagaacagag 60
 gaccagagtt gcacactttt tggaaaggca gggcttcaag cagcaagctc ttacagtatc 120
 cacagatcct gagcatcgtt ttgagcttgc tcttcagctt ggagagttaa aaattgcata 180
 ccagtttagca gtggaagcag agtcagaaca gaagtggaaa caacttgctg aacttgccat 240
 tagtaaatgt cagtttggcc tagcccagga gtgcttgcct catgcacagg attatggggg 300
 cctgctgctt ttgg 314

<210> 1500
 <211> 321
 <212> DNA
 <213> Homo sapien

<400> 1500
 cctgaaacct ggtgggaaga tgattgaaag tgttttagat tcaacagatt gactatgtat 60
 gacttatcta ttaaaatgaa gaacttccat ggtttaatag aatgaatgct gtattcaaca 120
 aggtcttcca tccttcttat aaatcttaag actgtgttta agctttcttt cacttttact 180
 ctatcccttg gaagttaatt ggggaataaaa agatttatca atttagtcac tataatttaa 240
 ggccaggcat ctgcttgga atacaataac cacaattaat acttagagaa aattgtttca 300
 acagattaac tctgctatatt t 321

<210> 1501
 <211> 557
 <212> DNA
 <213> Homo sapien

<400> 1501
 ctgctctggg gaaaatggtg gaggagccag gcagagagga ggagcagagt gctggcagtg 60
 gaaagcctag ctgagactgg agatgcccc ctgcccagg catctcagcg aggatgcttc 120
 tccatatggg tgagccagcc tagagacaga acaggggaag ccagcgggtg ctgcagcgac 180
 ccaccgcccc agaacatctg catcttacat caacaaaggt ttattttctca ttaatatcca 240
 ttgtgggttg gctgccactc taaccctcgt tgctcttcca tctgggtctt ggggtggcaga 300
 gcagcctgtc tctgtggcag aggaaaagag agcactgggc agcacaggct gactctcaaa 360
 ttttccgcct gaaggtgacc caagtcactg ctcacatttc attgactaaa gcaaaatcct 420
 atgcctgtgg gtgagttgag caacgtgatg aggtgttaac ttcctacagg gaggggctca 480

aatattgccc aacagtggta tggcccactg cctgggggtgg tcggtggaag gctggcagga 540
caagggagac cacgtgg 557

<210> 1502
<211> 249
<212> DNA
<213> Homo sapien

<400> 1502
cctgcgggga ggcgcgctgc aagaacctgc ccggctccta ctctgcctc tgtgacgagg 60
gctttgcgta cagctcccag gagaaggctt gccgagatgt ggacgagtgt ctgcagggcc 120
gctgtgagca ggtctgcgtg aactcccag ggagctacac ctgccactgt gacgggcgtg 180
ggggcctcaa gctgtcccag gacatggaca cctgtgagga catcttgccg tgcgtgccct 240
tcagcgtgg 249

<210> 1503
<211> 302
<212> DNA
<213> Homo sapien

<400> 1503
ccaggacctc ttttgggcat ttcttcctaa gtggaataca caacagataa gggagtaggg 60
gaggtaatac aggggaagcta ctctttccag ctccagaagga gttgatgaag cccatatatg 120
cattcaagaa gcccatggga tcctctagct gtggatagtg gctaattgtg tcatccagaa 180
togacactgt ggaccgcggc agcgttttcc tgtacagctc caaaaactct ggatagggat 240
ttacaggatc caatggccca tagataaaat gaatggggat agttacagag gcaagagctc 300
cc 302

<210> 1504
<211> 430
<212> DNA
<213> Homo sapien

<400> 1504
ccacgatatc aactatattgg ctttgtcagg tgttctctca aaaattggca gaagtgggtga 60
gaatccgtat gccccgctga atctcctggc tgactttgct ggtggtggcc ttatgtgtgc 120
actgggcatt ataattggctc tttttgaccg cacacgcact ggcaagggtc aggtcattga 180
tgcaaatatg gtggaaggaa cagcatattt aagttctttt ctgtggaaaa ctcagaaatt 240
gagtctgttg gaagcacctc gaggacagaa catgttggat ggtggagcac ctttctatac 300
gacttacagg acagcagatg gggaattcat ggctgttggg gcaatagaac cccagttcta 360
cgagctgctg atcaaaggac ttggactaaa gtctgatgaa cttcccaatc agatgagcat 420
ggatgattgg 430

<210> 1505
<211> 164
<212> DNA
<213> Homo sapien

<400> 1505
ccagtcacct tcaccttcta actaactagc ctccggatga ggtggctgcc accaggcccc 60
aatgatcccc aggagcccag cttccaaacc ccaacatcga atcaaacatc tccatcccca 120
agtgcagtaa cacacaaaaa ccaaactc tgccctggga aagg 164

<210> 1506

<211> 189
 <212> DNA
 <213> Homo sapien

<400> 1506	
aaaagtcata aggggttttat tttgtatcat caaaatattc tataagggtcc caaatactct	60
ttttcaaccc atgaacagta agaattttgtg aattctgata atgaaaaaag ttttcctcca	120
ggatatgtttg tttcacattc agtcctaaag ccttgagcta tgtgtacttc cctcacacag	180
gaacaccag	189

<210> 1507
 <211> 268
 <212> DNA
 <213> Homo sapien

<400> 1507	
ctgcacagag gggcacggaa ctccaaatcc tggaatgcgg gtcaataatg tgaattctgg	60
ccttgaccgc cagacacaca gcaagcctga gtcactgtcc gtcaccatgt cagccacaca	120
atcctgtccc tgggcaggct cgggtggcaat gtctgtgatt ggcatctggt gccagccag	180
ctcctcgctc agtacaatgt tgggaccctt tgctgggatg tcaaacacca gcacccggcc	240
tgaccacgtt cccacacaga tgaagtgg	268

<210> 1508
 <211> 159
 <212> DNA
 <213> Homo sapien

<400> 1508	
aaagatggca aggcaataaa tgtgttcgta agtgccaacc gactaattca tcaaaccaac	60
ttaatacttc agaccttcaa aactgtggcc tgaaagttgt atatgttaag agatgtactt	120
ctcagtggca gtattgaact gcctttatct gtaaatttt	159

<210> 1509
 <211> 234
 <212> DNA
 <213> Homo sapien

<400> 1509	
ccattgtgga gtacattatg aacacaatgt gcttgykaag tcttctctct cattttcaga	60
cagcaattgt taagagtcac acacacgtcc cagacctaag cagcaactcc agtgaatggt	120
actcagacac actcacggga cagcacagaa cttgattctt ctttgtctgt tgcccaaaga	180
acctgttctt tgagtctgtt ccaggtgact tgtaatgata cctcttacgg tttt	234

<210> 1510
 <211> 437
 <212> DNA
 <213> Homo sapien

<400> 1510	
aaagcagtac atcttaatat gaagacagga atttctatga tgcttacgaa cattagactc	60
aacatttttg cagccccctt tcttgggtcta cattcacaca aacatgagac acagtcccaa	120
gggagaaaca gatgctggag gagcatttag ggccagagtg gaggcacaga ggaagctggg	180
atttttcaac taccctctcc ttggttactc ctgggattcc cttaggattt cacggcacia	240
ccagcgaaga gtttgctcag attcacttcg gagtagccac ttcggggacaa gaattgctct	300

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gctgtgttct tgagttttct gtagtcctgc agaactttgg gggtaaaaaa ttgctttcttc 360
aatttatctt tctcatgacg ggtagtaagt ttctccagtg cacactccgc atcaaaaatg 420
taccggtaaa agcacag 437

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<210> 1511
<211> 94
<212> DNA
<213> Homo sapien

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<400> 1511
tgtgaagatg gagtctgagg ggggtgcaga tgactctgct gaggaggggg acctactgga 60
tgatgatgat aatgaagatc ggggggatga ccag 94

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<210> 1512
<211> 493
<212> DNA
<213> Homo sapien

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<400> 1512
aaaaatatgc attacaactg gagttttcca ctgagaataa gagtttggtt ttgacctcmc 60
ataaatccaa gggttcttga aaaaaaagtt aatataaatt ctcaataact atatcattaa 120
taccttatgt atacatagga gtttatataa tgcatttaag taacaaagaa tgtaacattt 180
attagccacc aagtaattag gagatagcat caattatatt gaaagaagat gagtttagat 240
gcttatagtc aagggagtta attgaaattg aaagctattg taggtgggta ctactattat 300
tatcaaacct gaaagttgga acatgtgaac ttgatccttt gcacacataa aagttcacia 360
agctgctttt aatttgcctt tgttctgtag tactgcttgg tgaatcatgc actagtttgt 420
tgtaaaattc atgtaaactt ttatgtatac aaatgtcaga tcaagcacag gttttattaa 480
ttatatatat ttt 493

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<210> 1513
<211> 510
<212> DNA
<213> Homo sapien

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<400> 1513
aaatgaggat tattgatagt actcttggtt tttataccat tcagatcact gaatttataa 60
agtacccatc tagtacttga aaaagtaaag tgttctgccg gatcttaggt atagaggacc 120
ctaacacagt atatcccaag tgcactttct aatgtttctg ggtcctgaag aattaagata 180
caaattaatt ttactccata aacagactgt taattatagg agccttaatt tttttttcat 240
agagatttgt ctaattgcat ctcaaaatta ttctgccctc ctttaatttg gaaggtttgt 300
gtttttctctg gaatggtaca tgtcttccat gtatcttttg aactggcaat tgtctattta 360
tcttttattt ttttaagtca gtatggtcta acactggcat gttcagagcc acattatttc 420
tagtccaaaa ttacaagtaa tcaagggcca ttatgggtta ggcattaatg tttctatctg 480
attttgtgca aaagcttcaa attaaaacag 510

```

```

<210> 1514
<211> 511
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(511)
<223> n = A,T,C or G

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<400> 1514
 ctggagatca ggaatagaac ctttccaaga tatcataata ttttctttat aggaacactg 60
 agtaatggca agaataatatt gagcttttcc atgggttaaga gcgatagtct cagaggctgg 120
 agaaaatgtt cattctgctc agtgatccag gagtgtagg acagtagctt cctttccacg 180
 tccacaagac aatgacagat gtgtttcctt ctttgccctt tctagggatc tttctaggga 240
 tgttgattct ctcacaatat ttcaatgtcc catttctgtg tttcttctcc ctccaggggc 300
 tgatttacga ttacatgagt cttgtcacaa taatttcctc ctttaacatc aaggacaagt 360
 tgatcactga gataagagct gatagttcca tttttattca gtctccactt ctgcctgaat 420
 tgcccatgtt cagtccatag agctacttta gctccagggtg tgggtcccggc cnccatcaca 480
 tcaagaactg gtttcactgg gccttggatt a 511

<210> 1515
 <211> 176
 <212> DNA
 <213> Homo sapien

<400> 1515
 aaaggggaag gkgaractta aaagtattcc caactagatt atctacacca atacattgga 60
 actctatatt ttgctttcat tttgtcttaa aaaaatgaaa tagcaacgct ctatcagtca 120
 cacagaggac atgcarattt agcagtattg atattatact ctatcttgtt ggattt 176

<210> 1516
 <211> 309
 <212> DNA
 <213> Homo sapien

<400> 1516
 ctggggaaaa ccgtgcatta cctgcccac cgtttcatcg accagctcag caaccgcgtg 60
 aaggacctga tggtcataaa ccgctccacc accgagctgc ccctcaccgt gtcttacgac 120
 aaggtctcac tggggcggct gcgcttctgg atccacatgc aggacaccgt gtactccctg 180
 cagcagttcg ggttttcaga gaaagatgct gatgaggtga aaggaatttt ttagatatac 240
 aacttatact tcctggcgct gaccttcttt gtcgcagcgt tccatcttct ctttgatttc 300
 ctggccttt 309

<210> 1517
 <211> 182
 <212> DNA
 <213> Homo sapien

<400> 1517
 ccaacatcta atttttttac tttttaatta tagctgttgt gactgatgtg agatggcatc 60
 ttactgtggt ttttgcttgc atttatttat ttgatgatta gtaaggatga gtgttttttc 120
 atatacttga gtgtcttctt ttgagaaaat atctgttcat gtcctttgcc ttttcttgat 180
 tt 182

<210> 1518
 <211> 548
 <212> DNA
 <213> Homo sapien

<400> 1518
 cctgagggag agggaaaagc ggataccac ctgtgtcgtc gtttgcgctg caagtccagg 60
 aacagtccat acagccctgc tgcacccac gacgctgtca caaagcagga gttcatccga 120

ggccaaggtg	ttgtcatgag	aatattcggt	aaagtaggga	cgctgacttt	gttcttgggc	180
agattctctt	cctgtggagt	atccagcctg	tttgccctagt	tttctgttgc	ttctgggggc	240
tgatctctat	ctgttttact	gcagtccagt	taccaaagtg	gtataagtaa	aattgaaaga	300
attctaaata	ccttttcccc	ccacgttagc	tgccctcacgt	taatgtgggc	ttacgggtctg	360
caaataagtg	ttttgatgat	ttggcgactg	cagttaccca	tactagctct	cctaccactc	420
actactgaca	gttaattatt	atcgaaatgc	cacccaccca	gggtgagtta	taagttatac	480
caggtgtttt	ggtaataaat	actaatgcaa	ttaatttact	ggttactctc	tcatcttaaa	540
gtaatcag						548

<210> 1519

<211> 491

<212> DNA

<213> Homo sapien

<400> 1519

ctggtgaagg	acggcttctt	ggtggaagtg	tcagagagct	cccggaagct	gcggcacgtc	60
ttctctttta	cagatgtctt	actgtgtgcc	aagctgaaga	agacctctgc	aggggaagcac	120
cagcagtatg	actgtaagtg	gtacatcccc	ctggccgacc	tggtgtttcc	atcccccgag	180
gaatctgagg	ccagccccca	ggtgcacccc	ttcccagacc	atgagctgga	ggacatgaag	240
atgaagatct	ctgccctcaa	gagtgaatgc	cagaaggaga	aagccaacaa	aggccagagc	300
cgggccatcg	agcgcttgaa	gaagaagatg	tttgagaatg	agttcctgct	gctgctcaac	360
tccccacaaa	tcccgttcag	gatccacaat	cggaatggaa	agagttacct	gttcctactt	420
gtcctcggac	tacgagaggt	cagagtggga	gagaagcaat	ttcagaaact	acagaagaaa	480
ggatcttcag	g					491

<210> 1520

<211> 169

<212> DNA

<213> Homo sapien

<400> 1520

ctggtactgt	cgatttggaa	agctggctgg	aaaaaactta	ttcatgaagg	ggctgatggg	60
gtgggacagg	gccaggattc	ccagcacgaa	gaaatacatg	gacagcagga	ggttgatgta	120
ctcctgggag	aatattttga	aaaagaggta	gagccccaag	agtgtgcag		169

<210> 1521

<211> 293

<212> DNA

<213> Homo sapien

<400> 1521

aggacgacgc	tgtergargc	agggagagca	aattaccaca	gcttcttggc	ccagttctgc	60
ccttctttgc	tttgggattg	cactggggcca	tcagctcatg	ccaggctatg	ggggcagcca	120
gttggcattg	ctccccagac	tgaacagaaa	cctggccgcc	ggatgggacc	tcctttggca	180
cagacttgac	tgtgtaactg	cataaactgc	agtagcatca	ttgccctaga	tgccccagga	240
gacctggcac	catgaggatt	acagacagtg	gaatcttact	gtcatctgga	cag	293

<210> 1522

<211> 386

<212> DNA

<213> Homo sapien

<400> 1522

ccacgtggga	ctttgaagac	agcacaacac	agtccttccg	ctggcatccg	ctccggggcca	60
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aggcggagaa	atacgaagac	agcgttcctc	agagtaatgg	agagctcaca	gtccgggcta	120
agctggttct	cccttcacgg	cccagaaaac	tccaagaggc	tcaagaagg	acagatcagc	180
catcacttca	tgggtcaactt	tgttttgtag	tgctaggagc	caagaattta	cctgtgcggc	240
cagatggcac	cttgaactca	tttgtaagg	gctgtctcac	tctgccagac	caacaaaaac	300
tgagactgaa	gtcgccagtc	ctgaggaagc	aggcttgccc	ccagtggaaa	cactcatttg	360
tcttcagtgg	cgtaacccca	gctcag				386

<210> 1523

<211> 178

<212> DNA

<213> Homo sapien

<400> 1523

aaaaagccta	tcccatactg	aattgtggga	acctatgaag	tgtctcttaa	tgtcaattaa	60
aagtaacagt	ggctgcagat	attgatttct	gaaagtacat	gagaatttgt	ctctaactat	120
ggttgaaaca	acaaaaccaa	atctgaatca	ggtagaggtc	taccagacac	aaactctg	178

<210> 1524

<211> 319

<212> DNA

<213> Homo sapien

<400> 1524

wycacagcwg	aaatggggca	ctgaagtgtg	gagscacaka	atgcgggagg	gcagaaccac	60
agacaggagg	ctgagattga	cctcctgagt	gcaagctggt	ctccccttca	cctcctgcac	120
cctacgcaga	tgggtgcttac	cataggattg	ccgtaaaaca	gagacacgca	ccagcgagaa	180
acttttagccc	ttagtatccc	atcctcagga	cagaatcact	cttaaaccatg	ttgaaataca	240
tctgcttaga	gcttttctat	gtgtctatat	aatgtatgca	taatatacaa	ttagaagcat	300
gtgattttat	aacattttt					319

<210> 1525

<211> 467

<212> DNA

<213> Homo sapien

<400> 1525

ccagactaga	cagagatcag	gtcatcagg	gagcttccga	gcttcagcaa	agccacagg	60
tagctctgcg	aactcagaat	gctaccctac	cttccctgca	ggcgcgtgtt	catgtctgga	120
ctcctggggg	cgctatttta	tgtttacccc	catctccagt	gccccctcca	aggctgtgca	180
gtgtcttg	gctctcagg	ccaacatcga	agagatgggg	gccacctctt	aacacctggc	240
aacagtctcc	cctcatcctg	attcctgaca	acagacaaaa	caccggtttc	tagggtttat	300
ctgtttggtt	tttgagttga	gggttcctca	gggccttg	attgctagt	atgggtccct	360
ttgctgtgtg	agaacccct	caaccccttc	ctcctccctc	tggggatgaa	gtgggagtat	420
ttggctcccc	atttttgaca	aaagggtc	gtgcaggag	gtggagg		467

<210> 1526

<211> 439

<212> DNA

<213> Homo sapien

<400> 1526

aaactgttta	ctggagaaaa	tcctcgctca	tgtccattta	ttgttttttt	ctgtactgtg	60
atttgtttca	agcttaggaa	aactagtata	ttagagtatg	ttctaggaaa	ttaaaagatc	120
tggttagagt	aaaaagttct	ttttaagggt	cttaactaat	tttttcacaa	ctaagaaaat	180

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aatgaagta ttcttaggct gaaattcatc ttatttttatc ataaattaga ttgtaggggc 240
agcctacatt tttgtgtatg tgttttttatt tcttaaataga ttgtgtgagc ctgggtgacat 300
tttatgggttc ttgtgatcta aactgttttt ccaattcaca tcttttgtog tgaagtgata 360
ttatactaga gtactgtttg cattgtaaaa atgcttttgcg ggtgctctgg cattttgtct 420
ttatctcatc acctaattt 439

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<210> 1527

<211> 609

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (609)

<223> n = A,T,C or G

<400> 1527

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ctggagaact tgggctccat taggtgcaat cgttggagta attagcccat cttttacatt 60
tcttgccaca aaatctcgaa gagctgccat ttcaggttcg gacagtgaat acacatgtcc 120
actgggaata ctgtgtgctc caggatatcat ttctatgtga ggggtcaacca ggcggtgatc 180
tgggtagacg tgctcatcta ctggagtgtg cacattctgg acatagtaat acctcactgg 240
ttggtaaact ctgtatccat ctactggata atagagtggc ggttgtgggtg ctgggtgggtg 300
gagcgatggg ggtattggag aatacatccg gcagtggtag cggcagtatt cagaatcaaa 360
gacgatagat cgagtgtccc atgtgatatt gggatcatgt gtgctcagcc agcgaacccc 420
taggacgaca gggaagaatg gagactgagt cacatcaaat gacagcacct ctcggtgatc 480
tcccaggtca actatcaggt cgtgagtttc gtggacaact gggcccgatg ctatggggcg 540
cccatcaatt gcttcacaa gtattggacc cgcccgggcg gncgctcgca agggccgaaa 600
ttccagcac 609

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<210> 1528

<211> 393

<212> DNA

<213> Homo sapien

<400> 1528

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tgatgtaatg aattcatatt tattgatata gaaaaatatg atataatcca tctaaaaagc 60
aagttacaaa acagtgtaca gtgtaccata gtacctatga acacaattag tgaagtaatt 120
tgcagagcta taataccaaa tcagaaatta ttttggtaat gaattttatga ttttcctcgt 180
tttctgattt tttccatgat ctcatatact ttattctcag aaaacaaaag acaaaacccc 240
acacatacac aaaaataaac gagtaacttc tttacaaccc cagaggctaa gtcagtggga 300
aaagagggaa atgaatgggt atgagcataa acacagggac aaataaaaaga agtttggagc 360
acagagaaca attcacaat cagaagtcac ttt 393

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<210> 1529

<211> 143

<212> DNA

<213> Homo sapien

<400> 1529

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atccgataga atccagttca atgaccttca gtctttactc tgtgcaactc ttcagaatgt 60
tcttcggaaa gtgcaacatc aagatgcttt gcagatctct gatgtgggta tggcctccct 120
gttaaggatg ttccaaagca cag 143

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<210> 1530

<211> 636
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

<400> 1530
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 ggggttcttga gccccttcac gaccgtcacc atggaagtgt caccattgca gcctgtaaat 120
 gaaaatatgc aagtcacaaa aataaagaaa aatgaagatg ctaagaaaag actgtctggt 180
 gaaagaatct atcaaaagaa aacacaattg gaacatatatt tgctccgccc agacacctac 240
 attggttctg tggaattagt gaccagcaa atgtgggttt acgatgaaga tgttggcatt 300
 aactataggg aagtcacttt tgttcctggn ttgtacaaaa tctttgatga gattctagtt 360
 aatgctgctg acaacaaaaca aagggaccca aaaatgtctt gtattagagt ccaattgatc 420
 cggaaaacaa tttaattagt atatggaata atggaaaagg tattcctggt gttgaacaca 480
 aagctgaaaa gatgtatgtc ccmnctctca tatttggaca gctcctaact tctagtaact 540
 atgatgatga tgaaaagaaa gggacaggtg gtcsaatagg ctnttgagcc naattgtgta 600
 acatattcag tacccaattt actgnnggaa acagcc 636

<210> 1531
 <211> 194
 <212> DNA
 <213> Homo sapien

<400> 1531
 aaaaggcaga gcattctttt ttcggcaatt ttgataagca aggtgtagat ttacattttt 60
 gtccttgctc ccaacgaaat ggataaacia aaataactta ccatctactc atggaatggt 120
 gttgtgttag ccagtctgaa ggcccacctt aatttttata taactgtctt tagctcttct 180
 tttgacaggg cagg 194

<210> 1532
 <211> 300
 <212> DNA
 <213> Homo sapien

<400> 1532
 ccatacaagg taattttgac aggttcctgg gattaggaca tgggcatctt gggaggccac 60
 tactggccta ccacaactgg gcagcaaaac tattacaccc tccggtataa tagttttggt 120
 gtttcaatga ctgggaggaa aagggttggga attttttgc tttgggtccc tcttaacctt 180
 gtatttttaa ggtctgggac tcaccaaccc tccccttcca accagagaaa ctactgcag 240
 tatctccttg aaagtctggt gacgagtctg tctaagtgct ggtgagaggc acaggaccaa 300

<210> 1533
 <211> 521
 <212> DNA
 <213> Homo sapien

<400> 1533
 gttcctttgc accctgtaga tgttctagga tagttgatgc atgttactaa attacgtatg 60
 caagtctgtg agtgcgtctg aggggacatc gccaaaggact gactgagaca cgatgccgag 120
 acctcaagcc ctgaggggca gtcccaaaac ctttacagtg aagatgttta ctcatgcccc 180

ccacctctgg	tccacactag	aaagaagctc	gccccacctc	cacctgtgag	atccgtgaat	240
tctcggaatg	gcaggggaag	ccttgcaacta	ggttgagag	aagcatcctc	cacatcctgt	300
gtcagaaacc	ctgggtctccg	tggcacttgt	aactcaccgt	gctgtcttct	ggtctgtgtg	360
tggtcttcaa	gccagctcta	ggcttcaggc	cgagccaggt	tcacactcag	aaagatgtct	420
ccccatcccc	attcggggct	gacgatgggg	ggctgatggc	tgccccctgcg	tggcctgagt	480
cctgggtccct	ctgaggcagt	tgacggggca	gtcagatttt	t		521

<210> 1534

<211> 181

<212> DNA

<213> Homo sapien

<400> 1534

actcaagaag	atgtatttaa	tgcttgacaa	taagagaaag	gaagtagttc	acaaaaataat	60
agagttgctg	aatgtcactg	aacttaccca	gaatgccttg	attaatgatg	aactagtgga	120
gtggaagcgg	agacagcaga	gcgcctgtat	tggggggccg	cccaatgctt	gcttggatca	180
g						181

<210> 1535

<211> 544

<212> DNA

<213> Homo sapien

<400> 1535

aaaataggac	actaaatcct	actctgaaag	gtggtttgat	caggactaaa	gagaatgtat	60
gtagagtgtc	ttgtgcaacg	aattgtgggg	agcttggacc	caataaggta	gccagaatta	120
cccacaccat	catcatcttc	accaccatca	ttattgttat	cgacatattc	caatacactt	180
ctgaagggct	ggaagagaga	aatatgtttg	tgacagacagg	cggcagcagt	atttgatcca	240
ccaccacagc	tccaccgctt	gggggcagta	ctgatccacc	tgtgctcccc	tccctgcccc	300
agcctggaaa	gctaattttca	gactcaaaaa	aatcaagtac	agagcagcgc	acccactcca	360
atgagtcatc	cccgcacct	ctagacaaca	gcatgctcat	gactcaaact	atcttcgtga	420
atggttcaaa	atatcaagaa	ttggttttcca	tagtttcttg	actaaccaga	cacaaaaattt	480
cccctacatg	cagagattca	tgtctcaact	tcaactgtac	attaaactca	accgggaaac	540
tttt						544

<210> 1536

<211> 591

<212> DNA

<213> Homo sapien

<400> 1536

ctgagttaag	atggtaaagc	caatattatt	ttaggaggaa	agaggacgaa	ggccaatgaa	60
ccaacatctg	cctgctatct	ggtgcatcac	ccaagggtgac	caatggctgg	gcacaaataa	120
acttctcttt	tgctagccac	agagttgtct	actgtggcaa	gcctgagctg	gtcagaacac	180
ctgtgtgtgt	gttctgata	cacactaacc	acaataagca	agtctgcaca	catctctatg	240
agccccatgc	aaagacaaga	cattcccaaa	gatcagtcac	tagagtgcaa	caacgaaatt	300
caagatttga	ccaaaacaga	ccctgctgcc	tcctaaattg	ccaattgcct	ctcaaaaaact	360
tacagaaaaa	gggacattat	aagaattcat	agagggagag	aagaaaaagc	tgctactcct	420
agtcattagt	acaatgtgct	gtgttaatta	gatacctcta	tataaattag	aaaaagtgtc	480
ttacttgcac	gcttcaataa	aatgaatact	gagtgtcgta	gtgttagatc	tgtacagata	540
taaatTTTTT	gcagctatat	aaaagtgtat	aagatgggct	tttgccattt	t	591

<210> 1537

<211> 341

<212> DNA

<213> Homo sapien

<400> 1537

acttcggggcc	tccctctccc	tgtgcagacc	ggttgaataa	atgataaaat	tactgtttgt	60
gtcctctgtg	aagtctggat	taatggaaaa	aaggatttgt	gaggctagtc	ttaggctgta	120
gccaatctgg	tgtgcttttt	gtgtcttcct	gtatggttcc	atgataagga	ggaatacctt	180
aggatagaat	gcaagcctag	gaccccataa	gcctgtttgt	caagccaacc	agcaaactgg	240
gcagtaacaa	acattgctgc	aggtttccat	tttgttttac	gtccttgggg	gcttgacctt	300
gtaaccacgt	ggcagtacct	tcttttggcc	tctgccattt	t		341

<210> 1538

<211> 363

<212> DNA

<213> Homo sapien

<400> 1538

ggacctgact	ttgagtccat	cagagacaaa	gtgagtgaga	tgacataca	gtgtttccag	60
acctgactca	gcccattctgt	ctgttaggaa	actttatgaa	gacgcccccc	agaattaaac	120
cctaattcaa	atgtctcact	ctgaatagag	accttctgaa	ataatcttgg	tatagagacc	180
cagacacgtg	ccttttgcct	taaaataaaa	atatttagcc	catgttgttt	tatgtatctg	240
tctttcagtt	agttttgaag	gcccgcacgg	aaaagtgggg	cctgtgcacc	tgaaaagaaa	300
tgtgtatgtt	atgtggttgt	tggctcttcc	tactagagtt	atcttgataa	ttgtgaagag	360
tgg						363

<210> 1539

<211> 371

<212> DNA

<213> Homo sapien

<400> 1539

ctgtgggggt	ccttccagag	aggagctgag	atacgctac	ctggaggggc	ccctgggcct	60
ggaggggctc	ctcagtgtga	ctgggtgaag	tgttttcaga	ggaccagggt	tgagggtggg	120
ggcatctcat	ccagaccctg	ccggcatctg	ccccagaacc	caaggggccc	tccttcctcc	180
ctcctcaatg	gaaatgctgg	agatgtcctc	agtcaccctc	tgagcactca	cacatcaccc	240
cttattttgga	aattttttctc	actctaacct	tccttcctgc	tgacaccttct	gccccatccc	300
caggctctgg	cctctctctc	tcctcttcta	ccctttagca	ggtaatgact	cagttcccac	360
tgaggagcca	g					371

<210> 1540

<211> 403

<212> DNA

<213> Homo sapien

<400> 1540

ctkgacgtga	tggagcaggt	gagcagtgcc	cgtggggcctt	gccagagggc	tgaggaggac	60
cctctctaac	cagctccctg	tcccccttct	tctgtagctt	gagttgaaga	agacactgct	120
ggacaggatg	gttcacctgc	tgagtcgagg	ttatgtactt	cctgttggtca	gttacatccg	180
aaagtgtctg	gagaagctgg	acactgacat	ttcactcatt	cgctattttg	tcactgaggt	240
cagcaatgca	ccgttggttt	catgtttcat	actgtttaca	ctagcactgc	cctttttggc	300
ttaatttagt	tcattttgta	cctaactgag	aactgtgctt	tctgatgtag	tgatgacaat	360
gacagatact	cgtttaccaa	aaagcacctt	ctgcctgcag	cag		403

<210> 1541

<211> 428
 <212> DNA
 <213> Homo sapien

<400> 1541
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 aagcctggag atagatttgt gataagccat tgctgagtag atcctagagt tcttgataat 120
 ttcagttggg taaattacaa tagtttgcta tttcctccct cacattttat gttctacagt 180
 atctagctgc ttgggttttc ctgtatacca tggggcttct gtcactctggg ctttactcag 240
 tggcatattc cctctgccta aaactctcct cccctctcca ccttagaagt agcttttct 300
 agaacgggtt tcccagggtt tcacctaagg tgatagtaca atctacaggg acctgcacat 360
 gaagaccttt gcatacatgc caggaagttg gactttatct ttggaaaaag ggagcctttg 420
 aaggtttt 428

<210> 1542
 <211> 345
 <212> DNA
 <213> Homo sapien

<400> 1542
 awttaaatgc ttagcaagca gcaattccac gatgggtcaaa ttcctaatat gagagaagta 60
 gaaataggaa aaatagggtca ccctgatact tatgttttca ttttgcttaa tatacgtttg 120
 tatatttcaa tataacatta atagatatcg tgtcccttca cagttctaaa gtagtaagca 180
 aaatgaatta atttaaccta tgcaattaaa accaatttgg aagaatattg aggtagcaca 240
 ctgttacggg aattagtatg actcagtaat gcagttgaaa gttagtggct cctaattccag 300
 tatgaatcat ggagatgaga gaaatgatta gataaagaga tattt 345

<210> 1543
 <211> 420
 <212> DNA
 <213> Homo sapien

<400> 1543
 aatattgaat ttctagaagc agtatattgc ttactgcttc ttaattacgt tatagatgag 60
 gtggaaatga taaaaactaa agaagcaaga ttaatcttta acacacattt caggctgttg 120
 taaaagaata aacaatgctt catataaact tctagcaaat gacttcctaa tgaggctctg 180
 aaacagtctt tagggcacgg aatgtcatca cataattaag cagctttaag cttttattaa 240
 aaggcttaaa gtgcgaaaca atgaaatctg aaacaaactg taccatatta aactttttga 300
 tgatatttca aattcagtaa aagaaaaaaa ggatggttca gaataacatc acgtattcta 360
 atcctgaaac acataacaaa tgcacttgaa acagcaattc ttaaaaagggt ttgccccttt 420

<210> 1544
 <211> 306
 <212> DNA
 <213> Homo sapien

<400> 1544
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 gacaaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac tgtttattct 180
 ttgcagaaga gcttcattca ctttggttga acccttttagc cgaaagcaga caagccccag 240
 aatgacttcc acacagattt caaagcgggg atcctggcgc accagtgact caaactcatg 300
 ggacag 306

<210> 1545
 <211> 110
 <212> DNA
 <213> Homo sapien

<400> 1545
 ctgctccggg ccttcacact gaagatcagc gtgtgcgatg ccgtcctgga ccacaacccc 60
 ccaggctgta ccttcacagt cctgggtgcac acgagagaag ccgccactcg 110

<210> 1546
 <211> 239
 <212> DNA
 <213> Homo sapien

<400> 1546
 aaagaaatat gacacgggtg tggatattct aagagacttt tttgaactca gacttaaata 60
 ttatggatta agaaaagaat ggctcctagg aatgcttggg gctgaatctg cttaaactgaa 120
 taatcaggct cgctttatct tagagaaaat agatggcaaa ataatcattg aaaataagcc 180
 taagaaagaa ttaattaaag ttctgattca gaggggatat gattcggatc ctgtgaagg 239

<210> 1547
 <211> 527
 <212> DNA
 <213> Homo sapien

<400> 1547
 aaaaattcca gttgagattt ttctggttct ctgtataaag attgactgga acatatacat 60
 tttggggttt atgtttggag actttggctc ttattcaaac cttccatttt agttggcttc 120
 ttctgacagt gcttcagcat ggaagcaagg agggggcctc attactgcca ggtaagggta 180
 aaaatctagt ttctctgctg ggtctccatt gtcactaaga aaggaatggc tctgttattg 240
 ctgggcaggg ttggctgttc caactgataa tcctatgtct gggagggcta ggagtgcctc 300
 cttgctgttc ctcttgttgt ttccactgac agtggagtgg ccttgttact gctgggtggg 360
 gggtgagagt tctggctctc tactagggag gacacaacct cagtgtagag aggcggggat 420
 acctgtttac tgtcaggcac aggcggaggt ccagtctcct tactccacct acccaacagg 480
 gtagcttgag gcacttcatt attgcctagt gagagtggaa gtttagg 527

<210> 1548
 <211> 333
 <212> DNA
 <213> Homo sapien

<400> 1548
 ctgtgggcgg agctagtagg ggcgggggcta cgtgattgac acttctctcc tcagacttca 60
 agggctacca ctggaccctt cccctgtctt gaaccctgag ccggcaccat gcacggacgc 120
 ctgaagggtga agacgtcaga agagcaggcg gaggccaaaa ggctagagcg agagcagaag 180
 ctgaagctat accagtcagc caccaggcc gtattccaga agcgccaggc tggtagctg 240
 gatgagtccg tgetggaact gacaagccag attctgggag ccaaccctga ttttgcacc 300
 ctctggaact gccgacgaga ggtgctccag cag 333

<210> 1549
 <211> 438
 <212> DNA
 <213> Homo sapien

<400> 1549

ttgacagtgt	acgctggagc	aggttccagg	gtggggctgc	cctgccgcct	gcctgctggt	60
gtggggaccc	ggctcttcct	cactgccaaag	tggactcctc	ctgggggagg	ccctgacctc	120
ctggtgactg	gagacaatgg	cgactttacc	cttcgactag	aggatgtgag	ccaggcccag	180
gctgggacct	acacctgcc	tatccatctg	caggaacagc	agctcaatgc	cactgtcaca	240
ttggcaatca	tcacagtgc	tcccaaatcc	tttgggtcac	ctggatccct	ggggaagctg	300
ctttgtgagg	tgactccagt	atctggacaa	gaacgcttg	tgtggagctc	tctggacacc	360
ccatcccaga	ggagtttctc	aggaccttgg	ctggaggcac	aggaggccca	gctcctttcc	420
cagccttggc	aatgccag					438

<210> 1550

<211> 204

<212> DNA

<213> Homo sapien

<400> 1550

aaaactaagt	tattccaaca	ctaaaagcat	acaacagcat	gccaacagta	atatattatt	60
ctccaagact	ttacctatgt	aagtgttcaa	aactctgcag	cattaaacaa	cgtgtatgca	120
aattgttatg	gatacatttc	agaatctaag	aaatcaggca	agtgcctaaa	aggccaacgg	180
tccaagggat	tacatctgca	gttt				204

<210> 1551

<211> 132

<212> DNA

<213> Homo sapien

<400> 1551

ccatctgtgg	atgtgtctgt	gcacctattg	gctcttctag	ctgactcttc	tggttgggct	60
tagagtctgc	ctgtttctgc	tagctccgtg	tttagtccac	ttgggtcatc	agctctgcc	120
agctgagcct	gg					132

<210> 1552

<211> 433

<212> DNA

<213> Homo sapien

<400> 1552

ctgaatagag	gtcaacacag	ttgcgatgtt	gagggatggt	ctccaagcac	cttttgggtg	60
caatttgaga	acatccagac	aaatccttcc	agcagaatca	atgtttggat	gataaattgg	120
agtgagaaat	cggatctgag	gaggttcaaa	tgggtacctc	tcaggaatga	taacttctag	180
cttaaaaaa	cctttctcat	aaggtgtgtt	ggctccacct	aatatttgag	ctcgcaggtc	240
atccatttgg	tctttatctt	gccaacatgt	gatgcctggg	ggtggctctg	tggctaaccat	300
gtgcagctct	ctcttcagac	gtgaagctct	ctgcatgatc	cccaagtaga	aggaaccaca	360
cacagttcac	tgtccacac	taagagctgs	ctgggatgca	ctgagctgac	accctcaca	420
acgcagcaac	gcg					433

<210> 1553

<211> 316

<212> DNA

<213> Homo sapien

<400> 1553

gagcaaggtc	tgctgagaac	agacccagtc	cctgaggaag	gagaagatgt	tgctgccacg	60
atcagtgcca	cagagaccct	ctcggaagag	gagcaggaag	agctaagaag	agaacttgca	120

```

aaggtagaag aagaaatcca gactctgtct caagtgttag cagcaaaaga gaagcatcta 180
gcagagatca agcggaaact tggaatcaat tctctacagg aactaaaaca gaacattgcc 240
aaaggggtggc aagacgtgac agcaacatct gcttacaaga agacatctga aaccttatcc 300
caggctggac agaagg                                     316

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<210> 1554
<211> 542
<212> DNA
<213> Homo sapien

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```

<220>
<221> misc_feature
<222> (1) ... (542)
<223> n = A,T,C or G

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```

<400> 1554
aaaggaatta ttctggcagc acatgtagta ttcttggatg atcttgctgc tcttatttct 60
ccttttgtgt gtgtgtgtgt gtgtgtggct atgggttttc atttgtaact ccatctgctt 120
argagagtgg gctctctata agggaacctg ctgtaaactt cattgcagca aggatgtaga 180
gagaaatagg acttaattcc actaggggct ctcattctcac accttaagga ggagatttct 240
agaaaaactg ggccagattt tctttgytct ccatcatttt aatgtggcag gctgytcagt 300
tttcttactc ttacctatgw gatattttctt cgtaacgtgt ccaaaaaagaa aaaagaccca 360
atcagtgctc cttgactttg ttctttgatc cctcagtttc ttcttgattt cagcatgtgt 420
ccgggttcct aattttgggt atgagtttagc aaatttaacc attgtgtttg tgccctaccc 480
aggggactcc ccagtttctg acttgaagta gactganaag aatccacgag gngctatttt 540
gg                                     542

```

```

<210> 1555
<211> 117
<212> DNA
<213> Homo sapien

```

```

<400> 1555
ctgtctgtgg cttcccatgt ctttctccaa agttatccag agggttgtga ttttgtctgc 60
ttagtatctc atcaacaaag aaatattatt tgctaattaa aaagttaatc ttcattgg 117

```

```

<210> 1556
<211> 111
<212> DNA
<213> Homo sapien

```

```

<400> 1556
ctgctgcagc cgcagtttct catccggagt gtaccccgctc atgtcgccgc tggtagcaac 60
gcaaaaggac acggcgcacc ctccaactac ggactagtta ctttagcgcg c 111

```

```

<210> 1557
<211> 454
<212> DNA
<213> Homo sapien

```

```

<400> 1557
cgaggactga tcctctagta ctaagtgact ggggatatta caytarccaa cattgggttga 60
tacatacctk artmatcatw tgaggaygca gtgataarsg satawwmywg tatsatccya 120
acaygyacta rctcaaaaac tagtgggggc ggattgatct cctgtgggac wkacatgsc 180

```

ctgaaagtga	acatgmtcmt	ratcacctgc	agrgcttgag	atggyccmca	tkgcwgcact	240
ccgccccyac	akttttttgaw	tcwacwggag	ttaggswgmt	yctwgawtta	kcctttctac	300
ctgcctccyg	akagrwcwc	wygastwgga	kgaatssatt	gackkctaag	rttakacttc	360
cactaactct	gtacgmtgar	ctcttactaa	tattcgttac	cacgctaaga	ggctctgctc	420
caggatctca	tcgcgactgg	aaggaacctc	cagc			454

<210> 1558

<211> 404

<212> DNA

<213> Homo sapien

<400> 1558

aaagaagtgc	agttgatatc	taattttacac	agtgaacta	gtgatagaaa	ataactaatg	60
aaaaaaaaatc	agagactggt	ttccaattga	ttgacaccta	gatctgtcag	cctctcttaa	120
agaaagggga	aggagaaaaa	aaatctcatc	atggaaggca	gacaagagtc	cacctgacag	180
aggtggaatc	tgatggaatc	tgacccatt	tcatgataaa	cgagaggaaa	cataaatgcc	240
atctcaaata	ctaaagcgat	gtagtgtagc	atgagtgact	caatgcaaat	tcacagagga	300
aaagaagtta	cggcttagga	agtaggacaa	taaatacaaa	tatttcatct	tatttaattg	360
tgcattgactt	cagtgaact	accctttgca	atgcaataaa	tttt		404

<210> 1559

<211> 266

<212> DNA

<213> Homo sapien

<400> 1559

aaactatcag	aagagatgag	aggggaattga	tctacaatac	tagaatttta	tgtgcagaca	60
aatccacatc	tggaaatgaa	atcacagtaa	gatattttcg	ggagaccaa	acataaaaat	120
tgctagaata	aatttgccac	gaacgagtaa	ctagacatta	gaaattgact	acatagatat	180
agtaatacta	aaagtgtga	aaacaagcaa	acacaacaca	cacattctca	attctttttt	240
tttctatcaa	atatcttcaa	cttttt				266

<210> 1560

<211> 142

<212> DNA

<213> Homo sapien

<400> 1560

aaaactcagt	atctttctgaa	ccagaggcat	ttctgattag	cccttccta	cctattttcc	60
tagtatcact	ctttaatcag	cttggggagg	tggcagcatt	tcattggctc	cgtagtaact	120
cacaatgctt	cctgggggtat	tt				142

<210> 1561

<211> 381

<212> DNA

<213> Homo sapien

<400> 1561

aaacactaaa	tgaagcttct	cacaatttct	aattataaac	aaaaggctga	aaacagtatg	60
ggaaacaaag	tttcaaaaaca	aagaaaagtt	gagtaaaagg	tgccccctct	atggctcatc	120
tgaaagaaac	attttactca	gagaggcaaa	catttctgat	ctaggagtaa	gtttccact	180
cactttgcaa	ggaccactc	attctgcaga	aagacctaca	agtctttctg	gtctcaattg	240
caaagtacgt	gaaaatgtgt	atgaaagatc	taaaagctaa	atattagaat	aaggctaatt	300
gaaatcaaaa	ttgtgtgctg	gtctaaatat	acatcttcgg	cttcttcctt	tttagtaagt	360

attttttattt cagatgtatt t

381

<210> 1562

<211> 368

<212> DNA

<213> Homo sapien

<400> 1562

ggagaaagga	gaaccgtaca	tgagcattca	gcctgctgaa	gatccagatg	attatgatga	60
tggtttttca	atgaagcata	cagccaccgc	ccgtttccag	agaaaccacc	gcctcatcag	120
tgaatttctt	agtgaagtg	tggtgccaga	cgttcggcca	gttgtcacia	cagctagaat	180
gcaggtcctc	aaacggcagg	tccagtcctt	aatggttcat	cagcgaaaac	tagaagctga	240
acttcttcaa	atagaggaac	gacaccagga	gaagaagagg	aaattcctgg	aaagcacaga	300
ttcatttaac	aatgaactta	aaagggttg	cggtctgaaa	gtagaagtgg	atatggagaa	360
aattgcag						368

<210> 1563

<211> 411

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (411)

<223> n = A,T,C or G

<400> 1563

accwtrsaac	tgcaattatt	acctatgcta	gnnttgata	agaamtgkyc	wtayatgtga	60
kagcaagagg	gcacyaraws	wrccttsaaca	ccaawgggcm	ktactwtata	kawmcgawgg	120
gcattgctwtm	atgaccaact	grmtgactgt	ttgagaatgg	acaargtgct	agcgctaaac	180
ctgtccttct	tgaacrtggc	ttgactaacg	kcwttgatac	gttreccttca	kkasaataact	240
attactasac	tttgktgctt	gattaccgac	tggtgcactc	ttgmtctcac	ctatgargac	300
agtgttttac	acaaactcrt	akggaaaatt	gnntttgtmc	tgtganctac	tcatcygaga	360
nctccctaag	ggctaacatt	ncatgtttcc	gtctcactag	ctacacgttc	t	411

<210> 1564

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (602)

<223> n = A,T,C or G

<400> 1564

ctagttttaa	gatcagagtt	cacttttctt	ggactctgcc	tatatcttct	tacctgaact	60
tttgcaagtt	ttcaggtaaa	cctcagctca	ggactgctat	ttagctcctc	ttagaagat	120
taaaagagaa	aaaaaaaggc	cctttttaaa	atagtataca	cttattttta	gtgaaaagca	180
gagaatttta	tttatagcta	atttttagcta	tctgtaacca	agatggatgc	aaagaggcta	240
gtgcctcaga	gagaactgta	cggggtttgt	gactggaaaa	agttacgttc	ccatttcta	300
taatgccctt	tcttatttta	aaacaaaacc	aatgatatc	taagtagttc	tcagcaataa	360

1. *Chlorophyll a* (Chl *a*)
 2. *Chlorophyll b* (Chl *b*)
 3. *Chlorophyll c* (Chl *c*)
 4. *Chlorophyll d* (Chl *d*)
 5. *Chlorophyll e* (Chl *e*)
 6. *Chlorophyll f* (Chl *f*)
 7. *Chlorophyll g* (Chl *g*)
 8. *Chlorophyll h* (Chl *h*)
 9. *Chlorophyll i* (Chl *i*)
 10. *Chlorophyll j* (Chl *j*)
 11. *Chlorophyll k* (Chl *k*)
 12. *Chlorophyll l* (Chl *l*)
 13. *Chlorophyll m* (Chl *m*)
 14. *Chlorophyll n* (Chl *n*)
 15. *Chlorophyll o* (Chl *o*)
 16. *Chlorophyll p* (Chl *p*)
 17. *Chlorophyll q* (Chl *q*)
 18. *Chlorophyll r* (Chl *r*)
 19. *Chlorophyll s* (Chl *s*)
 20. *Chlorophyll t* (Chl *t*)
 21. *Chlorophyll u* (Chl *u*)
 22. *Chlorophyll v* (Chl *v*)
 23. *Chlorophyll w* (Chl *w*)
 24. *Chlorophyll x* (Chl *x*)
 25. *Chlorophyll y* (Chl *y*)
 26. *Chlorophyll z* (Chl *z*)
 27. *Chlorophyll aa* (Chl *aa*)
 28. *Chlorophyll ab* (Chl *ab*)
 29. *Chlorophyll ac* (Chl *ac*)
 30. *Chlorophyll ad* (Chl *ad*)
 31. *Chlorophyll ae* (Chl *ae*)
 32. *Chlorophyll af* (Chl *af*)
 33. *Chlorophyll ag* (Chl *ag*)
 34. *Chlorophyll ah* (Chl *ah*)
 35. *Chlorophyll ai* (Chl *ai*)
 36. *Chlorophyll aj* (Chl *aj*)
 37. *Chlorophyll ak* (Chl *ak*)
 38. *Chlorophyll al* (Chl *al*)
 39. *Chlorophyll am* (Chl *am*)
 40. *Chlorophyll an* (Chl *an*)
 41. *Chlorophyll ao* (Chl *ao*)
 42. *Chlorophyll ap* (Chl *ap*)
 43. *Chlorophyll aq* (Chl *aq*)
 44. *Chlorophyll ar* (Chl *ar*)
 45. *Chlorophyll as* (Chl *as*)
 46. *Chlorophyll at* (Chl *at*)
 47. *Chlorophyll au* (Chl *au*)
 48. *Chlorophyll av* (Chl *av*)
 49. *Chlorophyll aw* (Chl *aw*)
 50. *Chlorophyll ax* (Chl *ax*)
 51. *Chlorophyll ay* (Chl *ay*)
 52. *Chlorophyll az* (Chl *az*)
 53. *Chlorophyll ba* (Chl *ba*)
 54. *Chlorophyll bb* (Chl *bb*)
 55. *Chlorophyll bc* (Chl *bc*)
 56. *Chlorophyll bd* (Chl *bd*)
 57. *Chlorophyll be* (Chl *be*)
 58. *Chlorophyll bf* (Chl *bf*)
 59. *Chlorophyll bg* (Chl *bg*)
 60. *Chlorophyll bh* (Chl *bh*)
 61. *Chlorophyll bi* (Chl *bi*)
 62. *Chlorophyll bj* (Chl *bj*)
 63. *Chlorophyll bk* (Chl *bk*)
 64. *Chlorophyll bl* (Chl *bl*)
 65. *Chlorophyll bm* (Chl *bm*)
 66. *Chlorophyll bn* (Chl *bn*)
 67. *Chlorophyll bo* (Chl *bo*)
 68. *Chlorophyll bp* (Chl *bp*)
 69. *Chlorophyll bq* (Chl *bq*)
 70. *Chlorophyll br* (Chl *br*)
 71. *Chlorophyll bs* (Chl *bs*)
 72. *Chlorophyll bt* (Chl *bt*)
 73. *Chlorophyll bu* (Chl *bu*)
 74. *Chlorophyll bv* (Chl *bv*)
 75. *Chlorophyll bw* (Chl *bw*)
 76. *Chlorophyll bx* (Chl *bx*)
 77. *Chlorophyll by* (Chl *by*)
 78. *Chlorophyll bz* (Chl *bz*)
 79. *Chlorophyll ca* (Chl *ca*)
 80. *Chlorophyll cb* (Chl *cb*)
 81. *Chlorophyll cc* (Chl *cc*)
 82. *Chlorophyll cd* (Chl *cd*)
 83. *Chlorophyll ce* (Chl *ce*)
 84. *Chlorophyll cf* (Chl *cf*)
 85. *Chlorophyll cg* (Chl *cg*)
 86. *Chlorophyll ch* (Chl *ch*)
 87. *Chlorophyll ci* (Chl *ci*)
 88. *Chlorophyll cj* (Chl *cj*)
 89. *Chlorophyll ck* (Chl *ck*)
 90. *Chlorophyll cl* (Chl *cl*)
 91. *Chlorophyll cm* (Chl *cm*)
 92. *Chlorophyll cn* (Chl *cn*)
 93. *Chlorophyll co* (Chl *co*)
 94. *Chlorophyll cp* (Chl *cp*)
 95. *Chlorophyll cq* (Chl *cq*)
 96. *Chlorophyll cr* (Chl *cr*)
 97. *Chlorophyll cs* (Chl *cs*)
 98. *Chlorophyll ct* (Chl *ct*)
 99. *Chlorophyll cu* (Chl *cu*)
 100. *Chlorophyll cv* (Chl *cv*)
 101. *Chlorophyll cw* (Chl *cw*)
 102. *Chlorophyll cx* (Chl *cx*)
 103. *Chlorophyll cy* (Chl *cy*)
 104. *Chlorophyll cz* (Chl *cz*)
 105. *Chlorophyll da* (Chl *da*)
 106. *Chlorophyll db* (Chl *db*)
 107. *Chlorophyll dc* (Chl *dc*)
 108. *Chlorophyll dd* (Chl *dd*)
 109. *Chlorophyll de* (Chl *de*)
 110. *Chlorophyll df* (Chl *df*)
 111. *Chlorophyll dg* (Chl *dg*)
 112. *Chlorophyll dh* (Chl *dh*)
 113. *Chlorophyll di* (Chl *di*)
 114. *Chlorophyll dj* (Chl *dj*)
 115. *Chlorophyll dk* (Chl *dk*)
 116. *Chlorophyll dl* (Chl *dl*)
 117. *Chlorophyll dm* (Chl *dm*)
 118. *Chlorophyll dn* (Chl *dn*)
 119. *Chlorophyll do* (Chl *do*)
 120. *Chlorophyll dp* (Chl *dp*)
 121. *Chlorophyll dq* (Chl *dq*)
 122. *Chlorophyll dr* (Chl *dr*)
 123. *Chlorophyll ds* (Chl *ds*)
 124. *Chlorophyll dt* (Chl *dt*)
 125. *Chlorophyll du* (Chl *du*)
 126. *Chlorophyll dv* (Chl *dv*)
 127. *Chlorophyll dw* (Chl *dw*)
 128. *Chlorophyll dx* (Chl *dx*)
 129. *Chlorophyll dy* (Chl *dy*)
 130. *Chlorophyll dz* (Chl *dz*)
 131. *Chlorophyll ea* (Chl *ea*)
 132. *Chlorophyll eb* (Chl *eb*)
 133. *Chlorophyll ec* (Chl *ec*)
 134. *Chlorophyll ed* (Chl *ed*)
 135. *Chlorophyll ee* (Chl *ee*)
 136. *Chlorophyll ef* (Chl *ef*)
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<220>
<221> misc_feature
<222> (1) ... (473)
<223> n = A,T,C or G
```

```
<210> 1566
<211> 53
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(53)
<223> n = A,T,C or G
```

<400> 1566
ctagtattatta atagaaatca attncggngt cattagttca tagcccatat atg 53

```
<210> 1567
<211> 136
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (1)...(136)
<223> n = A,T,C or G
```

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<400> 1567
ttattgattt ttttttttca ctttcccat cacactcaca cgcacgctca cactttttat 60
ttgccataat gaaccgtcca gcccctgtgg ngatctccta tganaacatg cgttttntga 120
taactnacaa ccctac                                     136
```

<210> 1568
 <211> 192
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(192)
 <223> n = A,T,C or G

<400> 1568
 ttgngtctgt gtgagnnggt tgaccttccct ccateccctg gtccttcnct tnccttnccg 60
 aggcacagag agacagggca gnatccacgt ncccatntg gaggcagana aaagagaaaag 120
 tgntttatat acggtactta tttaatatcc nttntaatt anaaantnaa acagttaatt 180
 taattaaaga gt 192

<210> 1569
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(575)
 <223> n = A,T,C or G

<400> 1569
 ctagttctgt cccccagga gacctggttg tgtctgtgtg agtggttgac cttcctccat 60
 cccctgggtcc ttcccttccc ttcccgaggc acagagagac agggcaggat ccacgtgccc 120
 attgtggagg cagagaaaag agaaagtgtt ttatatacgg tacttattta atatcccttt 180
 ttaattagaa attaaaacag ttaatttaat taaagagtag gggtttttttt cagtattctt 240
 ggtaaatatt taatttcaac tatttatgag atgtatcttt tgctctctct tgctctctta 300
 tttgtaccgg tttttgtata taaaattcat gtttccaatc tctctctccc tgatcgngna 360
 cagtcactag cttatcttga acagatattt aattttgcta acactcagct ctgccctccc 420
 cgatcccctg gctcccagc acacattcct ttgaaataag gtttcaatat acatctacat 480
 actatatata tatttggcaa cttgnatttg nngtatata tatatatata tgtttatgta 540
 tatatgngat tctgataaaa tagacattgc tatte 575

<210> 1570
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

<400> 1570
 ctagtccagn gtggtggaat tccgccgcca tcatgggtcg catgcatgct cccgggaagg 60
 gcctgtccca gtcggcttta ccctatcgac gcagcgtccc cacttggttg aagntgacat 120
 ctgacgacgt gaaggagcag atttaciaaac tggccaagaa gggccttact ctttcacaga 180
 tcggtgtaat cctgagagat tcacatgggtg ttgcacaagt acgttttctg acaggcaata 240
 aaattttaag aattcttaag tctaagggac ttgctcctga tcttctgaa gatctctacc 300

```

atttaattaa gaaagcagtt gctgttcgaa agcatcttga gaggaacaga aaggataagg 360
atgctaaatt ccgncgtgatt ctaatagaga gc 392

```

```

<210> 1571
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<400> 1571
gaaggacggt tgtgttggaa gccctgggtat ccccggcact cctggatccc acggcctgcc 60
aggcagggac gggagagatg gtgtcaaagg agaccctggc cctccggggc ccatgggtcc 120
acctggagaa atgccatgtc ctccctggaaa tgatgggctg cctggagccc ctggtatccc 180
tggagagtgt ggagagaagg gggagcctgg cgagaggggc cctccagggc ttccagctca 240
tctagatgag gagctccaag ccacactcca cgactttaga catcaaatcc tgcagacaag 300
gggagccctc agtctgcagg gctccataat gacagtagga gagaaggtct tctccagcaa 360
tgggcagtc atcacttttg atgccattca 390

```

```

<210> 1572
<211> 383
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

```

```

<400> 1572
ctgcagcttc tgctgctgag gccgggattg ctacgactgg gactgaaggt gaaagaggtg 60
gaatccgaag tcttgggact gcgggatgct aaacattgaa agctgggtgt aggcactgca 120
gggagagtgt ggaggtctga cagggttagga atatgtggga gggctgggct aggaatggcc 180
ttggaggtct gcctgtgtgg atatggcacc aattctaccc tgctcctctt ttctttttcc 240
cagactcaga cgatgccttg ctgaagatga ccatcagcca gcaagagttt ggccgcactg 300
ggcttcctga cctaagcagt atgactgagg aagagcagat tgcttatgcc atgcagatgt 360
ccctgcangg gagcagagtt tgg 383

```

```

<210> 1573
<211> 149
<212> DNA
<213> Homo sapiens

```

```

<400> 1573
cctccagagc ctctctagt gacagagcagc tcacactccc tccgctggga acgatggctt 60
ctgcctagta cctatccttg tgtttctgat gcagtggtag cattggttca agttctctcc 120
tgctgtggtc agagttgctt cgatgttgg 149

```

```

<210> 1574
<211> 143
<212> DNA
<213> Homo sapiens

```

```

<400> 1574
ctgccaggct gaaaagaagc ctcagctccc acaccgccct cctcaccgcc cttcctcggg 60
agtcacttcc actggtggac cacggggcccc cagccctgtg tcggccttgt ctgtctcagc 120

```


tcaaccacag tctgacacca gag

143

<210> 1575

<211> 112

<212> DNA

<213> Homo sapiens

<400> 1575

ctgcatccac cctcttttcag ggggtagagc cactatactt ctcatgtaga tcagccacat 60
tgtcactgga gactcggatc cagccatcct cccgcacgtg gtagagggtg ac 112

<210> 1576

<211> 198

<212> DNA

<213> Homo sapiens

<400> 1576

ccagtatgtc cccaggatta tgtttgttga cccatctctg acagttagag ccgatatcac 60
tggaagatat tcaaatcgtc tctatgctta cgaacctgca gatacagctc tgttgcttga 120
caacatgaag aaagctctca agttgctgaa gactgaattg taaagaaaaa aaatctccag 180
gcccttctgt ctgtcagg 198

<210> 1577

<211> 444

<212> DNA

<213> Homo sapiens

<400> 1577

cctgcctgga gccccagatc accccttcct actacaccac ttctgacgct gtcattttcca 60
ctgagaccgt cttcattgtg gagatctccc tgacatgcaa gaacagggtc cagaacatgg 120
ctctctatgc tgacgtcggg ggaatacaat tccctgtcac tcgaggccag gatgtggggc 180
gtcatcagggt gtcttgagc ctggaccaca agagcgccca cgcaggcacc tatgagggtta 240
gattcttcga cgaggagtcc tacagcctcc tcaggaaggc tcagaggaat aacgaggaca 300
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<211> 294

<212> DNA

<213> Homo sapiens

<400> 1578

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gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtccc cgctggactg 240
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<210> 1579

<211> 295

<212> DNA

<213> Homo sapiens

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 <223> n = A,T,C or G

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 cctaccagcc agcacctcct tcaggttact tcatggcagc tatcccacag actcanaacc 180
 nngctgcata ctatcctcct agccaaattg ctcaactaag accaagtccc cgctggactg 240
 ctcagggngc cagacctcat ccattccaaa aatatgcccg gtgctatccg cccag 295

<210> 1580
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 1580
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 <223> n = A,T,C or G

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 <212> DNA
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 ca 302

CCACAAAGCC ATTGTATGTA GCTTTTAGCTC AGCGCAAAGA AGAGCGCCAG GCTCACCTCA 60
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 CCTACCAGCC AGCACCTCCT TCAGGTTACT TCATGGCAGC TATCCCACAG ACTCANAACC 180
 NNGCTGCATA CTATCCTCCT AGCCAAATTG CTCAACTAAG ACCAAGTCCC CGCTGGACTG 240
 CTCAGGGNGC CAGACCTCAT CCATTCCAAA AATATGCCCG GTGCTATCCG CCCAG 295

<210> 1583
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 1583
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<210> 1584
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 1584
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 aatacaaaaa attagccaag tgtggtggca tatgcctgta atcccaacta ctcagaaggc 180
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 <211> 392
 <212> DNA
 <213> Homo sapiens

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<210> 1586
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 1586
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 cagagtccca caagtccaac cagtggacct ggaattgg 158

<210> 1587
 <211> 85
 <212> DNA
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<400> 1587
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 gtgtcccagt tcccatagca aagagagctg tgaccgggtg ttcagagctt ctccagtaca 300
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 tcngtccga 369

<210> 1589
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 <212> DNA
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<400> 1589
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 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180
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<210> 1590
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 <222> (1)...(434)
 <223> n = A,T,C or G

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 cgactctgtt ggaagtgggc acggctgctg cgaccacag tccagttctt cctggtggcc 180
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 cttgttggcc tcctgcaggg ggcactggtg gctgcctca ctgtctgcta catctcagac 300
 ttcttcaaag cccgaccccc acagactgt ctgaaggagg aggagctgga acggaagccc 360

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agcctgtcac tgacgttgac cctgggcgag gctgacnaca accactatgg atacccgcac 420
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<210> 1591
<211> 439
<212> DNA
<213> Homo sapiens

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<220>
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<222> (1)...(439)
<223> n = A,T,C or G

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taactgaaaa tgacggcatt gagaaattcc agtgggttaa aatgaatcaa aacttcatta 240
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aaggcaccat tctagccatc ttgattggat aacatgtata tacttatgtc cctacgatat 360
tcaaaagata atactgtttt agtacaaaac aatcaaacaa ggcaaagant caaaaccaag 420
ccaacccaaa tatccccag 439

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<210> 1592
<211> 74
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(74)
<223> n = A,T,C or G

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<400> 1592
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aaaaaaaaaa aaaa 74

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<210> 1593
<211> 288
<212> DNA
<213> Homo sapiens

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<400> 1593
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aaaaatcttca attggattat gttgacctct accttattca ttttccagtg tctgtaaaagc 180
caggtgagga agtgatecca aaagatgaaa atggaaaaat actatttgac acagtggatc 240
tctgtgccac gtgggaggcc gtggagaagt gtaaagatgc aggattgg 288

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<210> 1594
<211> 455
<212> DNA
<213> Homo sapiens

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tggagggggc cgactcgtcg tactcctgct tgctaatcca catctgctgg aaggtggaca 420
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<210> 1595

<211> 367

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(367)

<223> n = A,T,C or G

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<210> 1596

<211> 193

<212> DNA

<213> Homo sapiens

<400> 1596

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<210> 1597

<211> 145

<212> DNA

<213> Homo sapiens

<400> 1597

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<210> 1598

<211> 445

<212> DNA

<213> Homo sapiens

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<210> 1599
<211> 142
<212> DNA
<213> Homo sapiens

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<400> 1599
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agcagcctga caggagcaat gg                                     142

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<210> 1600
<211> 297
<212> DNA
<213> Homo sapiens

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<400> 1600
cctgcacttg aacatggctt tggttttaag caacttctct accctgaccc tcctcctggg 60
acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccg 120
caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240
tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

```

```

<210> 1601
<211> 289
<212> DNA
<213> Homo sapiens

```

```

<400> 1601
ctggagatga tcctcaacaa gccagggctc aagtacaagc ctgtctgcaa ccagggtggaa 60
tgtcatcctt acttcaacca gagaaaactg ctggatttct gcaagtcaaa agacattgtt 120
ctggttgcct atagtgtctt gggatccac cgagaagaac catgggtgga cccgaactcc 180
ccggtgctct tggaggacct agtcctttgt gcctcggcaa aaaagcacia gcgaacccca 240
gccctgattg ccctgcgcta ccagctacag cgtgggggtt tggctctgg 289

```

```

<210> 1602
<211> 398
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

```

<400> 1602

```

gggagggcag agggagaatg ggaagatcag gaagctctag attacttcag tgataaagag 60
tctggaaaac aaaagtttaa tgattcagaa ggggatgaca cagaggagac agaggattat 120
agacagttca ggaagtcagt cctcgcagat cagggtaaaa gttttgctac tgcattctcac 180
cggaatactg agaaggaagg actcaagtac aagtccaaag tttcactgaa aggcaataga 240
gaaagtgatg gatttagaga agaaaaaaat tatnaactta aagagactgg atatgtagtg 300
gaaaggccta gnactacaaa agataagcnc anagaagaag acaaaaattc tgaaagaata 360
acagtaanga aagaaactca gtcacctgag caggtaaa 398

```

<210> 1603

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1603

```

ctggtgatct gctttcttac cctaactctt gacaaatgag tcgtctacta ttttaaagag 60
tctggaggtc tctgactctg ccataacaat aacctgctgt taatttataa cacagatttt 120
tgtttggaag agccttattt gaaatacact ttgattcatt ttcttaaata ttatattct 180
tttcttgctt acttcagggt tggtagctta gttggaagt ccagcacctg gcacctattc 240
atatagaaca ggctgtactc aagacaactt ctagcattta ctttaagact tatataattt 300
atttctattt tgtgtgtact atagtcttgt gcatatgtag ttgaacacac agtgaaatat 360
atgtctctct ttgtggatgt gcggcctaaa aatttgaatg tctggtgaga gagagccatg 420
tgtatagggtc agagaaaa 438

```

<210> 1604

<211> 297

<212> DNA

<213> Homo sapiens

<400> 1604

```

cctgcacttg aacatggctt tggttttaag caacttctct accctgaccc tctcctggg 60
acagcgtttc gggagggttc ttggcctcac tgagagggat gtggagctgc tgtaccccg 120
caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240
tctagagaag tttccacctt ggaccaatac ggaattccga tacctggagg atggagg 297

```

<210> 1605

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1605

```

ggaaaggcta ttgtttctcg acagtttgtg gaaatgaccc gaactcggat tgagggctta 60
ttagcagctt ttccaaagct catgaacact ggaaaacaac atacgtttgt tgaaacagag 120
agtgtgaagat atgtctacca gcctatggag aaactgtata tggtagctat cactaccaa 180
aacagcaaca ttttagaaga tttggagacc ctaaggctct tctcaagagt gatccctgaa 240
tattgccgag ctttagaaga gaatgaaata tctgagcact gttttgattt gatttttgct 300
tttgatgaaa ttgtgcgact gggataccgg gagaatgtta acttggcaca gatcagaacc 360
ttcacagaaa tggattctca tgaggagaag gtgttcagag ccgtcagaga gactcaagaa 420
cgtgaagcta aggctgagat gcgtcgtaaa g 451

```

<210> 1606

<211> 272

<212> DNA
<213> Homo sapiens

<400> 1606
ccggagccca cgggtggcat ggctgccaga gcgctctgca tgctggggct ggtcctggcc 60
ttgctgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg 120
ccagccaagg acaggggtgga ctgcggctac ccccatgtca cccccaagga gtgcaacaac 180
cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gcccctgcag 240
gaagcagaat gcaccttctg aggcacctcc ag 272

<210> 1607
<211> 444
<212> DNA
<213> Homo sapiens

<400> 1607
ccaggctgggt ctcaaactcc tcacctcaac tgatccgccc accttggcct cccaaagtgc 60
tgggattata ggtgtgagcc accgtgccca aagttaagta tttttgatca agtgttttgt 120
cttttgtgca aggcatthgt ggctctgtca tagcagagga aaacaaaaca tgcctatcaa 180
atgaatcaag tccgacctct tctcatattg agcaactaga ggtctaggaa catttcccct 240
acctgtcatt ctcatctggc ataccagggtg tacatactcc ttcttattct cctctgttac 300
caagatgttg gccccattgg gtttgagggtc acgaacttca caaactccaa actcttggac 360
ctcagtgtcg aagggtgagg catagcctag tgtggagaca tcattttcca gcagataaac 420
cagaccttgg tagaagtggg aatc 444

<210> 1608
<211> 189
<212> DNA
<213> Homo sapiens

<400> 1608
caaaatccaa aacttctctt gaaaagttca gggaccgtcc aggggagatg gggaggagat 60
atggagttag tcacctgtct cagaagatgc cagcttctct ctccaggggtg cttagttagg 120
tttcccacc cctcactccc cagggtgctc tggggacagc ttctcgcac ccctgtccca 180
cccacacag 189

<210> 1609
<211> 426
<212> DNA
<213> Homo sapiens

<400> 1609
cttttgttat ccttagagga ctacttggtt tcttttcata agcaaaaagt acctcttctt 60
aaagtgcact ttgcagacgt ttcactcctt ttccaataag cttgagttag gagcttttac 120
cttgtagcag agcagtatta acacctagtt ggttcacctg gaaaacagag aggtgacctg 180
tggggctcac catgcggatg cgggtcacac ggaatgctgg agagatgtta tgtaatatgc 240
tgagggtggcg acctcagtgg agaaatgtaa agactgaatt gaattttaag ctaatgtgaa 300
atcagagaat gttgtaataa gtaaatgcct taagagtatt taaaatatgc ttccacattt 360
caaaatataa aatgtaacat gacaagagat tttgcgtttg acattgtgtc tgggaaggaa 420
gggcca 426

<210> 1610
<211> 447
<212> DNA

<213> Homo sapiens

<400> 1610

```
cagggctata gtgcgctatg ttgatctggg gttcatgcta agttccgcat caatatgggtg 60
acttcttggg agtggggggac caccagggtt cctaaggagg ggtgaacctg cctacgttgg 120
aaatagagct ggtcaaaaact cctgtgctca tcagtagtag aattgcacct gtgaatagcc 180
accgccctcc agcatgggca acatagcaag accctgcctc ttaagataaa aattggaaaa 240
cactggtagg aaaaaaaggc tgtttgggtc aaataagtct ggattgggta taaatgacac 300
aaaactatca tgaatttgaa agcatttcta atttcttgaa agtctgaaaa agtttaaaca 360
gaatttttagc tgaaaagtcc tgaaagacat ttgaaaaaaa acagcaagaa cacttaaaac 420
tattcaaggt ttgggctggg cacagtg 447
```

<210> 1611

<211> 238

<212> DNA

<213> Homo sapiens

<400> 1611

```
ccaccggggt tgacctctct cgctagcagg gccacccag ctactctccc gcgtcttcca 60
tcccctctag gattcccatt gtcccctact ccagcactag gcaggcaccc ccagcccact 120
gcgactocca ccacgaagga cccagccct ctctcagcca acacggcccc gccaccgctc 180
tcagacatcg tgcttcttct ggtggggccag gagtctctcc tcgtcgtcga aggtctgg 238
```

<210> 1612

<211> 293

<212> DNA

<213> Homo sapiens

<400> 1612

```
ctgctgcttg taccctcggg agagggtttc cactctgag cgggtgggaa ggcaatgcca 60
aacatccggg aaaaataaaa cactgtctc cacatgagct ggaactgtac gcccttgtg 120
ggtctcctca gggcgatggg agcgaatctc tgcaaacgg taccattgtg tgcacacact 180
tagatcaatg cctgtcagag cttacaaca acgaatagca gtcttaatca acacagaggg 240
atctttttct ggtcttggtc catccaacga aggagaccag tggcccccac tgg 293
```

<210> 1613

<211> 224

<212> DNA

<213> Homo sapiens

<400> 1613

```
ctggattgac cccaaccaag gctgcaacct ggatgccatc aaagtcttct gcaacatgga 60
gactggtgag acctgcgtgt accccactca gccagtggtg gccagaaga actggtacat 120
cagcaagaac cccaaggaca agaggcatgt ctggttcggc gagagcatga ccgatggatt 180
ccagttcgag tatggcggcc agggctccga ctctgccgat gtgg 224
```

<210> 1614

<211> 439

<212> DNA

<213> Homo sapiens

<400> 1614

```
ctccaccctg gcgatggctc cctggctcta ctttctctct caaactggct ttttctcatt 60
cctttgactc cgccagaact cctcgcccc atgacctggt gttgtgtctg atcccccaa 120
```

```

cattcctggc tgcccaatgt ggggcaatga agaccccagt gaaggaatgc tagagtgtgt 180
gaaagtggag gacgcacgt caaaggacac ctgaggacgt ctcaaagaag ctcggcggga 240
gagctgagcg ctcggaagaa ccaagaatca tctcttttga aaaatcgatt catcaaata 300
atcttcggcc aacaactgtt caagaaggat tcaaataatca cagggttccaa gaagtaaagc 360
tttggaggtc acaaaattag caatagaagc tgggttccgc catatagatt ctgctcattt 420
atacaaataa tgaggagca 439

```

```

<210> 1615
<211> 237
<212> DNA
<213> Homo sapiens

```

```

<400> 1615
aggcactcct ggaagtgggt cagtcagggt gcaaaaacat tgaacttgct gtcatgaggc 60
gagatcaatc cctcaagatt ttaaactctg aagaaattga gaagtatgtt gctgaaattg 120
aaaaagaaaa agaagaaaac gaaaagaaga acaaaaagaa agcatcatga tgaataaaat 180
gtcttttgctt gtaattttta aattcatatc aatcatggat gagtctcgat gtgtagg 237

```

```

<210> 1616
<211> 266
<212> DNA
<213> Homo sapiens

```

```

<400> 1616
ctgggctcta gtttcattcc atctgtcatt ctgagtaac agggacacat gtccaagtgt 60
tgccccccgt ggcattgatt tagctttgtt gataggcatt gcatcttttg tgtaatatgc 120
aataatggca tgaccagatt catgatatgc tgtgatgggt ttgtttttgt tatcaatttc 180
cacacttctt ctttcaggcc ccattagaat tttgtctttg gaaaactcca gtccttcat 240
ggtaaccatt tcttttccat caacag 266

```

```

<210> 1617
<211> 185
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(185)
<223> n = A,T,C or G

```

```

<400> 1617
ccatggctag gtttatagat agttgggtgg ttgggtgtaa tgagtgaggc aggagtccga 60
gnaggttagt tgtggcaata aaaatgatta aggatactag tataagagat cagggttcgtc 120
cttttagtgt gtgtatgggt atcatttggt ttgagggttag tttgattagt cattgttggg 180
tggtg 185

```

```

<210> 1618
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(354)

```

1615
 237
 DNA
 Homo sapiens
 1616
 266
 DNA
 Homo sapiens
 1617
 185
 DNA
 Homo sapiens
 misc_feature
 (1)...(185)
 n = A,T,C or G
 1618
 354
 DNA
 Homo sapiens
 misc_feature
 (1)...(354)

<223> n = A,T,C or G

<400> 1618

```
ctgttaacag ataagtttaa cttgcatctg cagtattgca tgtagggat aagtgcttat 60
ttttaagagc tgtggagttc ttaaatatca accatggcac tttctcctga ccccttcctt 120
aggggatttc aggattgaga aatttttcca tcgagccttt ttaaaattgt aggacttggt 180
cctgtgggct tcagtgatgg ngatagtaca catntcactc agagngcatn tntgcatctt 240
ntaanatana tttcttaaaa gcctctaaag tgatcagntg ccttgatgcc aactaaggaa 300
atttgtttag cattgaatct ctgaaggctc tatgaaagga atagcatgat gtgc 354
```

<210> 1619

<211> 170

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(170)

<223> n = A,T,C or G

<400> 1619

```
ctgtgctgtg gagagaagct gatgttttgg tgtattgtca gccatcgctc tgggactcgg 60
agactatggc ctgcgcctccc caccctcctc ttggaattac aagccctggg gtttgaagct 120
gactttatag ctgcaagtgt atctnncttt tatctggtgc ctctcaaac 170
```

<210> 1620

<211> 386

<212> DNA

<213> Homo sapiens

<400> 1620

```
cctgttgatt gcatactgta gaagatttga tggttcagact gggtcttctt acatatacta 60
tgtttcgtct acagttggta aatttttggt tttctttgta ttaaattgtg aattgtattg 120
tctggaggaa aagacagagg tctaaaaata aagaaggagt acagtttggg catggtgggt 180
caccctgga gtcctagcac tttggggggc aaggcaggca gattgcttga gccaggagt 240
tctagatgag cctgggcaac atagtggagc cccatctcta aaaaaacagt ttagggcca 300
ggcacagtgg ctcacacctg taagcccagc actttgggag gccgaggcag gcagatcata 360
agggcaagag attgagacca tcctgg 386
```

<210> 1621

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(346)

<223> n = A,T,C or G

<400> 1621

```
ccaattctgc ccgttccccg tgggccaaca acactggggg tgtagcgctc tggaaccctg 60
tgatagtctt cggcttgcca gcctggccca ccacatccac tgccctggccc acacggacag 120
acactggcaa tggccgcagc tcctcatcaa acgtaaccag cattcggggc tgcatggcag 180
ccaccagccc atacaatata tagtgtgatt tgccatagaat aatgtttcga acatccagga 240
```

aagagacaag cacagtgagc agtccancca eggccacctg gtcataagc tgccggtcgc 300
tgtggtaggg gcagagggtg aggggtgccct tccctaaatg tgtcag 346

<210> 1622
<211> 366
<212> DNA
<213> Homo sapiens

<400> 1622
ggaagtttgt gctctctgcg tggctaagtt tttcacctac taggacgggg gtgggggtggg 60
gagaacagggt gtctttctaa aatacagcac aagctacagc ctgcgtccag ccataaccca 120
ggagtaacat cagaaacagg tgagaatgac cactttaact caccggggccc gtcgcactga 180
aataagcaag aactctgaaa agaagatgga aagtgaggaa gacagtaatt gggagaaaag 240
tccagacaat gaagattctg gagactctaa ggatatccgc cttactctta tggaagaagt 300
attgcttctg ggactaaaag ataaagaggg gtacacatct ttctggaatg actgcatatc 360
atcagg 366

<210> 1623
<211> 165
<212> DNA
<213> Homo sapiens

<400> 1623
ctgttgattg gctgtgacac tgcttttgtgt catcttctta ccatgatcaa aggcgaagga 60
agggatctct tttgggacat tgtgattgtt ttagcagaga gagaaagaga tgaaatacac 120
ttcggttttc tcttaaaaaga tgcattgtatc atacagtgtc ttaag 165

<210> 1624
<211> 227
<212> DNA
<213> Homo sapiens

<400> 1624
ccaatgcccc gagcaggccc tctttccatc cctgtcgga tgagctgggc aactatgtca 60
acaaacggaa taccacgtgg caagccgggc acaacttcta caacgtggac atgagctact 120
tgaagaggct atgtggtacc ttcttgggtg ggcccaagcc accccagaga gttatgttta 180
ccgaggacct gaagctgcct gcaagcttcg atgcacggga acaatgg 227

<210> 1625
<211> 373
<212> DNA
<213> Homo sapiens

<400> 1625
ctgtagcttt tgtgggactt ccactgctca ggcgtcaggc tcaggtagct gctggccgcg 60
tacttgttgt tgctttgttt ggagggtgtg gtggtctcca ctccgcctt gacggggctg 120
ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180
agtgtggcct tgttggcttg aagctcctca gaggagggtg ggaacagagt gaccgagggg 240
gcagccttgg gctgacctag gacggtcagt ttggtccctc cgccgaacac ccgaagataa 300
ttagtgctgt ctggttagta acaatagtag tcaccttcac cttccacctg ggccccagt 360
atggtcaagg tgg 373

<210> 1626
<211> 367

<212> DNA
<213> Homo sapiens

<400> 1626
ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60
cttgaggtca ggagttcgag accagcctcg ccaacatggg gaaaccccat ttctactaaa 120
aatacaaaaa ttagccaagt gtggtggcat atgcctgtaa tcccaactac tcagaaggcc 180
gaggcaggag aattacttga acgcaggaga atcactgcag ccctggaggc agaggttgca 240
gtgagccgag attgcaccac tgtactccag cctgggtgac agagcaagac tccatctcag 300
taaataaata aataaataaa aagcgctgca gtagctgtgg cctcaccctg aagtcagcgg 360
gcccagg 367

<210> 1627
<211> 424
<212> DNA
<213> Homo sapiens

<400> 1627
ctggataagg acatcaatac cttctctatg cgtgtcaggg tgtggtacgg gtatcacttt 60
ccggagctgg tgaagatcat caacgacaat gccacatact gccgtcttgc ccagtttatt 120
ggaaaccgaa gggaactgaa tgaggacaag ctggagaagc tggaggagct gacaatggat 180
ggggccaagg ctaaggctat tctggatgcc tcacggtcct ccatgggcat ggacatatct 240
gccattgact tgataaacat cgagagcttc tccagtcgtg tgggtgtcttt atctgaatac 300
cgccagagcc tacacactta cctgcgctcc aagatgagcc aagtagcccc cagcctgtca 360
gccctaattg gggaagcggg aggtgcacgt ctcacgcac atgctggcag cctcaccaac 420
ctgg 424

<210> 1628
<211> 314
<212> DNA
<213> Homo sapiens

<400> 1628
tcgactgtta tagcttagaa agcaacacta ctactatgag actataaaac attaaactat 60
tttaagaaaa ccacgctgtg gaaaaatgga gccatttttg tcaaaaagtg gctcaaagca 120
caaaactgct cagatgttca agagtccatg gagtctgggc tgcacagtat taaggggtga 180
gaggagaccg acagcctgtt tgaatcaggc ttgtgagccc agctcatctg acaacttcaa 240
agagcttctc tgcctataca ttccaccgtt tagcataaga caccacttta cgctatttac 300
aagtctcctt ttgg 314

<210> 1629
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

<400> 1629
ctggaccagc accccattga cgggtacctc tcccacaccg agctgggtcc actgcgtgct 60
cccctcatcc ccatggagca ttgcaccacc cgcttttttcg agacctgtga cctggacaat 120
gacaagtaca tcgcctgga tgagtggggc ggctgcttcg gcatcaagca gaaggatatc 180

```

gacaaggatc ttgtgatcta aatccactcc ttccacagta ccggattctc tctttaaccc 240
tcccccttctg tttttccccc aatgtttaaa atgtttggat ggtntgttgt tctgcctgga 300
gacaaagggtg ctaacataga ttttaagttga ataacattaa cgttgctaaa aaatgaaaaa 360
ttctaaccce agacatgaca ttcttagctg taa 393

```

<210> 1630

<211> 317

<212> DNA

<213> Homo sapiens

<400> 1630

```

ctgcaagaat atcagaaatc aatacaaaaca agtattgaca ggtgttacag acatgcaaaa 60
tattccttcaa tgcaacgaat ttttaagaaa tcagctagcc tatattaatc agatgtttta 120
ggtcaaacca agtttccatc tcgggctcag tgaaatagta ttaactcatt gagtctcctt 180
tccccagga atgttgggaa tggcagaaca gaaagagcta tcaactcctta aattctttta 240
tgcgagtgtt actccaacac ttattttact tggtttactt ggaatgtatg agaggaaact 300
gatgtttttt acaatgg 317

```

<210> 1631

<211> 262

<212> DNA

<213> Homo sapiens

<400> 1631

```

ccttaggcaa gtcaccttac ttatctaaga ctgtttcccc acctggaaga tgcctacaa 60
gcctcctgtg gctgtgttta gaaagcatgc ccggcctttc ttgacagcca gccaccccag 120
atgatggcag ggcaaggaag actgttagga gtcagagtgc tcccctcagg tggaaggaaa 180
ctgggccaac tctactttgt aagccatagg gtgccaggta gcccggccac cctgagcctg 240
tgccctccact gccccgcgt gg 262

```

<210> 1632

<211> 138

<212> DNA

<213> Homo sapiens

<400> 1632

```

ctggaattaa ttcttcgaca actccagacc gaccttcgga aggaaaaaca agacaaggcc 60
gttctccaag cagaagtgca gcacctgaga caggacaaca tgagactgca ggaggagtcc 120
cagaccgcga cagctcag 138

```

<210> 1633

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(192)

<223> n = A,T,C or G

<400> 1633

```

ccttgaaggg acctcanagc aaaggaagag acctgggtgt ggtgaggcat cccanggcac 60
ggaagggacc ggttgtgctn ngggaatcca ctgnnccctc cttggnnaaa aaagcacaac 120
acatcataca tattttaccag accagaagcg ctggccccaa gtctccccaa cctgggtcggt 180

```

ggaacctcct gg

192

<210> 1634

<211> 447

<212> DNA

<213> Homo sapiens

<400> 1634

```

ctgcttttaa aggtcttaaa tcaactcgaat accttgactt gagcttcaat cagatagcca 60
gactgccttc tgggtctccct gtctctcttc taactctcta cttagacaac aataagatca 120
gcaacatccc tgatgagtat ttcaagcggt ttaatgcatt gcagtatctg cgtttatctc 180
acaacgaact ggctgatatg ggaatacctg gaaattcttt caatgtgtca tccctgggtg 240
agctggatct gtccataaac aagcttaaaa acataccaac tgtcaatgaa aaccttgaaa 300
actattacct ggaggtcaat caacttgaga agtttgacat aaagagcttc tgcaagatcc 360
tgggggccatt atcctactcc aagatcaagc atttgcgttt ggatggcaat cgcctctcag 420
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<210> 1635

<211> 364

<212> DNA

<213> Homo sapiens

<400> 1635

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ggagcaagag acggcctggc aagaaaatca ttattgttgc tgggaagtgt caaagaaagg 180
ggagagttaa ttcaaattag tgtaacagag cccccaggat gaagagagtg gtgcagggaa 240
aaggtctaaa ttcttggtgt tgggtggggac actggcacat cccacagcaa ggactcagcc 300
ctcaacggcg gcggctgggt cttggggaggg gagtgggtggg agggtaaggg ctctctcagct 360
ccct                                     364

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<210> 1636

<211> 399

<212> DNA

<213> Homo sapiens

<400> 1636

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tgatattcac ccaagggcac cagtctctat gctgagaggt gggatcaaag aagcttcggg 180
aagatgtgtc cgaactgctg gaggagcaga ggcgagctcg cttggctttc cgagagggc 240
tagatggtac ctccaggcca ggggtgtctc ctgttcccat gcttcgggtc actgggcgag 300
ttctgggtgt ggggctagca gcctctggct caggacgggt aacaggactg gaagagtccc 360
agctccgagt tcgagagaca atgggaccag ggctctttt                                     399

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<210> 1637

<211> 246

<212> DNA

<213> Homo sapiens

<400> 1637

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ctgagctttc agcagataaa tcacagcaga aatagaatca ccctaggact ttcaatcaaa 60
agctggaagt ccaccttaca gaaagacaaa aagaaacccc tttttatata ttaacaaagc 120
aatagctctc aagcagcaga gcctctcgag gaagaaagct tgcccggctc ccatcccatc 180

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atgccagagc gtgcagtgtc cacccttgac tacgctgggg aattgctgat tttttgaaaa 240
agcttg 246

<210> 1638
<211> 453
<212> DNA
<213> Homo sapiens

<400> 1638
ccaagagttc tccactgtga agactgaaag gacctggtga catttcggca tcagtcctgt 60
taccacttgg aggtaacaga agcaggctcg tgtcctcctt taattctacc acactacatg 120
actcgcaatt ggttctgaaa ttagaacgtt caccatcgta cttaaaatct taggggcatg 180
aagagtcagc tagaacaagg aaaaagaaag tcgcaggtag taggtaagta ggtgggcaca 240
tgaaaagcca agctgctctg tccaacacca gtgtacatgt gctttaacta aatgaactcc 300
agaggccaac agcagcagac ctgctcaatt caccttccaa atcagaacaa gaccaaaaag 360
ctcaggcttg agttgtcaac tatgcatagg ttccgccagt gatgaggagc tcgtaagcag 420
gatctctact ccttctgcac aacacgatgc aag 453

<210> 1639
<211> 197
<212> DNA
<213> Homo sapiens

<400> 1639
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aaggctgctg gagctggcaa ggtcaccaag tctgccaga aagctcagaa ggctaaatga 120
atattatccc taatactgc caccnactc ttaatcagtg gtggaagaac ggtctcagaa 180
ctgtttgttt caattgg 197

<210> 1640
<211> 278
<212> DNA
<213> Homo sapiens

<400> 1640
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ccccaaagact cagcactagt ctgatgacct gctaattcac tgacagcata gggctgtctg 120
ttgtttttgc gcaagttggt gtgaacaaaag ttcacaatat ctggtcgaat aggagccttg 180
aatacagcag gcaaagtgc atttttgcca gatgactccc ctttttcgga gtacaccgat 240
atcagtgggc gagcgcacgc catggcggac ctcggccg 278

<210> 1641
<211> 227
<212> DNA
<213> Homo sapiens

<400> 1641
ccattgttcc cgtgcatcga agcttgcagg cagcttcagg tcctcggtaa acataactct 60
ctggggtggc ttggggccac ccaggaagg accacatagc ctcttcaagt agctcatgtc 120
cacgttgtag aagttgtgcc cggcttgcca cgtggtattc cgtttgttga catagttgac 180
cagctcatcc gacaggggat ggaaagagg cctgctccgg gcattgg 227

<210> 1642
<211> 299

<212> DNA
<213> Homo sapiens

<400> 1642
ctgcacatca aggacatctt caggaagttc aggattgccg tagctaaact gaaaaccacc 60
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tttcogtgga acattcaaag gattggcact tatgcatgtt tccccagttt ccatattaca 180
gaataccttg atagcatcca atttgcaccc ttggttaggg tcaaccacgt attctccact 240
cttgagttca ggatggcaga atttcaggtc tctgcagttt ctagcggggt ttttacgag 299

<210> 1643
<211> 301
<212> DNA
<213> Homo sapiens

<400> 1643
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ctgcagagga catgaaagcc atagatggcc tagacagaaa tctccactat tttaacagtg 120
atagttttgc tagccaccct aattatccat attcagatga atattaacat ggagagcttt 180
gcctgatgtc taccagaagc cctgtgtgtg gatggtgacg cagaggacgt ctctatgccg 240
gtgactggac atatcacctc tacttaaatc cgtcctgttt agcgacttca gtcaactaca 300
g 301

<210> 1644
<211> 365
<212> DNA
<213> Homo sapiens

<400> 1644
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gatgtaaagc ctgctagctg gaactcacag aagattggaa caaaaagata ggagatggac 120
acctggggga ctgctccagc acgaagggaa gcgatgagca tcacacagca gggccattgc 180
aggggacagg tgctgtaatt cctgcccaga gaacttgaaa gcttacagtg tgctcacagg 240
aaggaatcgg ctgagctagt ccagaaattg ctgcatttcc catattactt agttctttat 300
tcacctgtg gtaaagagtc acccttggtt tccgtatcta taaaactgaa agacttaaaa 360
tttac 365

<210> 1645
<211> 249
<212> DNA
<213> Homo sapiens

<400> 1645
ctggtgctgg aactgcagaa agttaagcag gagaacatcc agctagcggc agacgcccgg 60
tctgctcgtg cctatcgaga cgagctggat tocctgcggg agaaggcgaa ccgctggag 120
aggctggagc tggagctgac ccgctgcaag gagaagctgc acgacgtgga cttctacaag 180
gcccgcattg aggagctgag agaagataat atcattttta ttgaaaccaa ggccatgctg 240
gaggaacag 249

<210> 1646
<211> 433
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(433)
 <223> n = A,T,C or G

<400> 1646
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 aacccgagat atctggcacg cccgtgttac tggaggtgac tgaaacacca gtgttgatc 180
 catgagaccc atatccactc ggctgttgga aaggggtggc cgatgcattc aactgacat 240
 tcacaccatg ctgcttgga gaggtaggag ccacaggga cacagcaggc ccatactgga 300
 aggtgctggg gaggccggg acccctgtat agtatggcag gctggtgtaa actgtagcca 360
 ggaggcagcg ccgggttcag gaatgtctgc tgcgtggnat ggtgagtctg cgtctgggtt 420
 ctgttggggg tgg 433

<210> 1647
 <211> 451
 <212> DNA
 <213> Homo sapiens

<400> 1647
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 ttttagccag gaactccaag tccacatcct tggcaactgg ggacttgccg aggttagcct 120
 tgaggatggc aacacgggac ttctcatcag gaagtgggat gtagatgagc tgatcaagac 180
 ggccaggtct gaggatggca ggatcaatga tgtcaggccg gttggtagcg ccaatgatga 240
 acacattttt ttttgtggac atgccatcca tttctgtcag gatctgggtg atgactcggg 300
 cagcagcccc accaccatct ccaatgttac ctccacgagc cttggcaatc gaatccagct 360
 catcaaagaa tagcacacag ggggcagctt ggccggcctt gtcaaagatt tctctgacat 420
 tggcctcaga ctccccaac cacatggtga g 451

<210> 1648
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 1648
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 taatgagctg ctagtggagc tggaaggagc aatggagaac attgcagccc aggctctgga 120
 gcacattcac tccaatgagg tgatcatgac cattggcttc tcccgaacag tagagg 176

<210> 1649
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 1649
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 ccaagaccaa ccgatggagg aggaggaggt tgagacgttc gcctttcagg cagaaattgc 120
 ccagttgatg tcattgatca tcaatacttt ctactcgaac aaagagatct ttctgagaga 180
 gctcatttca aattcatcag atgcattgga caaaatccgg tatgaaagct tgacagaccc 240
 cagtaaatta gactctggga aagagctgca tattaacctt ataccgaaca aacaagatcg 300
 aactctcact attgtggata ctggaattgg aatgaccaag gctgacttga tcaataacct 360
 tgggtactatc gccagtcctg ggaccaaagc gttcatggaa gctttgcagg ctggtgcaga 420
 tatctctatg attgg 435

<210> 1650
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 1650
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 agctctccat cctgtttctgt gagtgtgtct tctctttctc cttcacgtca tagccgtgac 180
 ccacggttca tctctgtctt tgcgtaaaga tgaccgatgg agtccaaagc caagtggctt 240
 caccag 246

<210> 1651
 <211> 400
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 1651
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 gaactcggac ctcaaggctc agctcaggga gctgaatatt acggcagcta nngaaattga 180
 agttggtggt ggtcggaaag ctatcataat ctttggtccc gttcctcaac tgaaatcttt 240
 ccagaaaatc caagtccggc tagtacgca attggagaaa aagttcagtg ggaagcatgt 300
 cgnctttatc ggctcagagg aggaattctg cctaagccaa ctcnaaaaag ccgnacnaaa 360
 aattanngca aaaagcgtnc caggagccgt nctctgacag 400

<210> 1652
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 1652
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 cggtagacga agccttcctt ctgctgcttc tccttcacag agttgttccg gaggttggcg 120
 atataatcat ctccacatt ccgctcgact gttttgaggc tggagcctgt gtactcttcg 180
 gagaaagtgt ctccacata gtagacgaca ccaggtgggt cagtgactcg cctgtggatg 240
 tggccacag acggtcttgg actcagactg taggggtggac tggagaccat gagctggctg 300
 agagctgaca cgagaatcag gatgaggata ggcacacag 338

<210> 1653
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 1653
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 ccctcgaggt tgaaccctcg gatacgatag aaaatgtaaa ggccaagatc caggataagg 120
 aaggaattcc tcttgatcgg cagagactga tctttgctgg caagcag 167

117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

<210> 1654
 <211> 1034
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1034)
 <223> n = A,T,C or G

<400> 1654
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 cgcgcccgag gtccaagagg gagataaac aaacttctca aacaaaaaga aaagaaaaac 120
 gaatgattca tctgctttaa tcagtgtgat taatgcagca ccattgccc cggaaccgt 180
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 ctgcccttag ttaatagaaa ttcagactcg ccaagtaagg ctttgtgcat agtgtcttca 300
 tgtcgcgtat agttgagcgc gttcttagca gttggcttca tggacagctc attagtgttt 360
 tgacttttct taccagcgt taattgaatt cttgctttta gacaacttcc tttttgtagt 420
 ggtgaacctt gccctttagt acagtccaag tgaatctgga taattgttca tctttgcttt 480
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 tctgcttaaa aaactgtctg acttcgtgaa tatagagacc aagtttacca cttctgatga 600
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 gaaataagat gaaactgatt ccatgcacta gtacatgtag gcttctccct tgcgcaaagc 720
 ttaacaattt gtaggaaact ttgggtcttt ttgtcccaag aaaaaggaat gtcttgacag 780
 gcttaaagct tttcgtcccc ttgcacctta aaactcgaaa gttaggnaaa atccctttaa 840
 agggcttttt ttaatagcca gaacttccca aaaggaatgg cnttttaggg aatttcntag 900
 ccatngcttt ttaaatttaa agaaattttt aanaaccttg cccnggggn ggggncccg 960
 tccaaaaagg gngngnaaaa ttccccagcc nacctttng gggggggccn cgttttcctt 1020
 tnnngggggg aanc 1034

<210> 1655
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 1655
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 ccgcccgggc aggtcctact cttctccgtc cattgtacta tctgcccgtg gtggggatgg 120
 cagtaggata atatttgatg acttccgaga agcatattat tggctccgtc ataatactcc 180
 agaggatgag aaggtcatgt cctgggtgga ttatggctat cagattacag ctatggcaaa 240
 ccgaacaatt ttagtgagca ataacacatg gaataatacc catatttctc gagtagggca 300
 ggcaatggcg tccacagagg aaaaagccta tgagatcatg agggagctcg atgtcagcta 360
 tgtgctggtc atttttgagg gacctcgcc gcgaccacgc taagggcgaa ttccagcaca 420
 ctggcgccgc ttactagtgg atccgagctc ggtaccaagc ttggcgtaat catggtcata 480
 gctgttt 487

<210> 1656
 <211> 514
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(514)
 <223> n = A,T,C or G

<400> 1656
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 tcgcggccga ggtcctaccc ataatccaga gaggcttgcc cagaggagga ctacgtgggg 120
 gacgtgccac cagaacccta cttgggggcg ggatgtcact ccgagggtcaa aacctgctcc 180
 gaggtggacg agccgtagct ccccgaaatgg gcttaagaag aggtggtgtt cgaggctcgtg 240
 gaggtcctgg gagagggggc ctagggcgtg gagctatggg tcgtggcgga atcggtggta 300
 gaggtcgggg tatgataggc cggggaagag ggggctttgg aggccgaggc cgaggccgtg 360
 gacgagggag aggtgccctt gctcgccctg tattgaccaa ggagcagacc tgcccgggcg 420
 gccgctcgaa gggcgaattc cagcacactg gcggccgtta ctagtggatc cgagctcggg 480
 accaagcttg gcgtaatcat ggtcatagct gttt 514

<210> 1657
 <211> 605
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(605)
 <223> n = A,T,C or G

<400> 1657
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 ccgcccgggc aggtccanac gctgacattg nttctgagtc ctttaagcagg aaggatttga 120
 aatcctggag cttggcagtc ttgctcttca cctctaagcc aatgttgacc ccttcatcta 180
 taaagtccac aactctccgg aagtcatact caccggaactg tcgagaagtt aaggctgggg 240
 ccccaagccg caggccgccc ggtgtgatgg cacttcggtc tccaggacag gtgttcttgt 300
 tggcagtgat ggatacaagc tctagcaccg gctcagcccg agtccatcc aggcccttgg 360
 gccgcaggtc caccagcacc aggtgggtgt cagtaccacc tgataccagt gtagtagctc 420
 gccctagcag ggcattctgc atggcccagc cattcttcag aacctgcagg gagtactccc 480
 ggaacatggg ggtgcaggac ctcggccgcg accacgctaa gggcgaattc cagcacactg 540
 gcggccgtta ctagtggatc cgagctcggg accaagcttg gcgtaatcat ggtcatagct 600
 gtttc 605

<210> 1658
 <211> 784
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(784)
 <223> n = A,T,C or G

<400> 1658
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 cagaattcgc cttancgtg ggcgnangca tgacgctcgg gatcagaact aaaacaagtg 120
 agatcaccctc tctaattatt tctgaactng gttaataaaa gcttataaga tttttatgaa 180
 gcanccactg tatgatattt taagcaaata tgttatttaa aatattgatc cttcccttgg 240

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accaccttca tgttagttgg gtattataaa taagagatac aaccatgaat atattatggt 300
tatacaaaat caatctgaac acaattcata aagatttctc ttttatacct tcctcactgg 360
ccccctccac ctgcccatag tcaccaaatt ctgttttaaa tcaatgacct aagatcaaca 420
atgaagtatt ttataaatgt atttatgctg ctagactgtg ggtcaaatgt ttccattttc 480
aaattattta gaattcctat gagtttaaaa tttgtaaatt tctaaatcca atcatgtaaa 540
atgaaactgt tgctccattg gagtagtctc ccacctaaat atcaagatgg ctatatgcta 600
aaaagagaaa atatgggtcaa gtctaaaatg gctaattgtc ctatgatgct attatcatag 660
actaaccgac atttatcttc aaaacaccaa attgtcttta gaaaaaatta atngtgatta 720
ccaggtagaa ggacctgccc gggcggncgc ctcgaaaggg ccgaaattcc agccccacct 780
gggc

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<210> 1659

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(789)

<223> n = A,T,C or G

<400> 1659

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tngngccctc tagatgcang ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
cccttagcgt ggtcgcgccg gaggtccatt aaagataagt ttggctaact attttactga 120
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tgaattttgc aataatttat atgcagagtg tgcttatggg tttctgggag ttcaagttag 360
taccacagag tgcttaaaaag tacgatgcta aattctaagg ctaatgtaat gactgtagat 420
tatctatgtc cacattgttc aacagaaata taatgtgaac cacaacataa tttttaattt 480
tctagtagcc atattaaaaa agaaacaagc aaaattaatt ttaataacag tttatgtaac 540
ccagtatatt aaaaatatca tttcaacatg taatcaatat aaaagattat taatgaaaca 600
ccttatcttc tttttcttcc atgctaagtc ttagatttga gtgtattttg cactcacagc 660
acatctcaat tctgactgga cctgcccggg cggcgctcgc aaagggcgaa ttccagcaca 720
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tagctgttt

```

<210> 1660

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(559)

<223> n = A,T,C or G

<400> 1660

```

ccnccgcccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcngaattcg 60
ccctttccag cgcccgcccg ggcaggtcca tcagacttct tgggtgctg gctatattca 120
atgtgaagta aaaaatatcc caagtcttac accaaaatag aggctctgac ttagaagtat 180
gcttttagct ttctttttta ataaagacatt ctggaagaaa aaaaaagaaa aaggaaagaa 240
aatcaagttt gaaacacagt taacacttat tttggcaaga aagcaaccaa aatctaaaaa 300
gcataaacta tngtccaaa tgnaaaaggn attacagaac aaactgcaag aggggaaaaa 360

```

```

taaagccnca ctgaacgaaa aaatacagta tgtctaacat tttggaattg naattttaaac 420
cctaaggggca aaagctgaaa aatcatgctt anacctnggn cgngaccacn ctaagggcgga 480
attccancac actggcggnc gttactagtg gatccnanc t cgtaccaag cttggcgtaa 540
tcctnggcac agctgtttc                                     559

```

```

<210> 1661
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<400> 1661
ttgggccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
cccttttcgag cggccgcccc ggcaggtctg cagtgtccct ttttatatca tgctagtgtt 120
gagacatact tgactaactt ggggaacagtt cgatatattg acaaccgtca acttaagaaa 180
atcaacagct tttggcccca gcgtccaagt gaacttttca tggagtgcag aatctcaa 240
ggacaaaata ctttgtcttt ttaaatactg aaaatttaat tattagtact atgactgaaa 300
gattcttcat ggctaaaaag ctctgcatca aactcaattc aggaggacct cggccgcgac 360
cacgctaagg gcgaattcca gcacactggc ggccgttact agtggatccg agctcggtag 420
caagcttggc gtaatcatgg tcatagctgt ttc                                     453

```

```

<210> 1662
<211> 809
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (809)
<223> n = A,T,C or G

```

```

<400> 1662
ctcgagcggc cgccantgtg atggntatct gcagaattcg cccttanccg ccgccccggc 60
aggtccttag ccaaagaatg cagtggagcc ttccccnngg ggctgcattg tgaatgaata 120
ccaattgaca gcataaaaat taatagtccc atatcagatc tggaaggggt ttctggggct 180
gtctgatgtc cctatcctgt tgtagtgaac acaatagcag aaaattcttt ctgggtccat 240
ctgctataaa gtcttggtaa aacagcatta ctatgaagag gatgaactca cctaccttca 300
natggaggaa aagtgaaaag gacttaggct ttagtcctcc atgacttttc ttaagcacta 360
cctacctgta ataagctgag tgcaaaaagga tgccgaagaa aatctgcacc cagaagctgt 420
tagaaaacac tgcagangaa cagggnatga ataaaataaa nagntcttaa taaacctta 480
agattctttg ntcaaggggn actttgccaa aaggggcaga atangngggg aaagagttgc 540
ttttaatcta gctctacact ggcntttgaa aataaaattt gccatttng aaatatatng 600
ggntataatt aaaatgnggc tttttacact gngnggggcta tataaaaact gggtagnnaa 660
atttccaccg agcatntatg gngatttnt caccagnaaac ctccgggcng gaccacgct 720
aaggngggaa ttccagcnac antggggggg ncngntacct anagtggatc ccnagnctng 780
gggncccnca anctttgggg gngtnaatc                                     809

```

```

<210> 1663
<211> 585
<212> DNA
<213> Homo sapiens

```

```

<400> 1663
ttgggccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
cccttgccgc ccgggcaggt gatggatgag gagcaaaaac tttatacgga tgatgaagat 120

```



```

gatatctaca aggctaataa cattgcctat gaagatgtgg tcgggggaga agactggaac 180
ccagtagagg agaaaataga gagtcaaacc caggaagagg tgagagacag caaagagaat 240
atagaaaaaa atgaacaaat caacgatgag atgaaacgct cagggcagct tggcatccag 300
gaagaagatc ttcggaaaga gagtaaagac caactctcag atgatgtctc caaagtaatt 360
gcctatattga aaagggttagt aaatgctgca ggaagtggga ggttacagaa tggggcaaaat 420
ggggaaaggg ccaccaggct ttttgagaaa cctcttgatt ctacagtctat ttatcagacc 480
tcggccgcga ccacgctaag ggcgaaattcc agcacactgg cggccgttac tagtggatcc 540
gagctcggta ccaagcttgg cgtaatcatg gtcatactg tttcc 585

```

<210> 1664

<211> 999

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (999)

<223> n = A,T,C or G

<400> 1664

```

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ccgcccgggc aggtctgaca atngattaaa caggcgacat gcaaccccca ctaagggttaa 120
aagtccaaaa ctactcacac gcatctcttn attggggaaa agctgagact attatncatt 180
cttggtagnc ttgcaacctt gcatgaagag caccattgc atttctttca tctttcagaa 240
agcacccggt tctgttccaa gggncataca gtacnaaaat acnttntggg attacacctt 300
tnaaacccaa nactgttntc attaaaaata attttggntt gtaacaaaat tatgaaatac 360
aatgcaagca cctnnggtata gcattattac tgaaccact taattcccag ctttttgagt 420
tttttaaaaa aaccactgc actaagattc acaattcatt gctacataca aattaaagct 480
agtaagaaca cactaacgtc acaagtttct cattctaaag tgcnaaancc ntaatngtct 540
ngaaagtggg acaggggtaa agggcaaaaa ttaaccccc ccacccaat taaagtttcc 600
tggaangtca ntantntttt naatcccaa aggnnncatt tctntttaaa aaaattggnt 660
acctttggaa ctggggtaaa gnaaaatnag gaaccctgg gnggtttttt ttatnttttc 720
ttnaanccaa cccccaatt ccaccttaa aacccccacc cggggggang ccaaaangnc 780
cacccttgng gaaacncttt tngtgggggn cccggtcgna aaaccaacc nccctntaaa 840
aagggggggg cgnnaaaaaa tttctccna aganaaacc acctttgggg cgnggggacn 900
cgntttaccc nttaaaatgg ggggaattcc ccgaaagcgt ttgggggtaa ccccaaaaga 960
cctttggggg gggaaaaatg aatgggggnc cattaaccn 999

```

<210> 1665

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 1665

gctaaagggtg accccaagaa accaaag

27

<210> 1666

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 1666

ctattaactc gagggagaca gataaacagt ttcttta

37

<210> 1667

<211> 207

<212> PRT

<213> Homo sapiens

<400> 1667

Met	Gln	His	His	His	His	His	His	Ala	Lys	Gly	Asp	Pro	Lys	Lys	Pro
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Lys	Gly	Lys	Met	Ser	Ala	Tyr	Ala	Phe	Phe	Val	Gln	Thr	Cys	Arg	Glu
			20					25					30		
Glu	His	Lys	Lys	Lys	Asn	Pro	Glu	Val	Pro	Val	Asn	Phe	Ala	Glu	Phe
		35					40					45			
Ser	Lys	Lys	Cys	Ser	Glu	Arg	Trp	Lys	Thr	Met	Ser	Gly	Lys	Glu	Lys
		50				55					60				
Ser	Lys	Phe	Asp	Glu	Met	Ala	Lys	Ala	Asp	Lys	Val	Arg	Tyr	Asp	Arg
65					70				75					80	
Glu	Met	Lys	Asp	Tyr	Gly	Pro	Ala	Lys	Gly	Gly	Lys	Lys	Lys	Lys	Asp
			85						90					95	
Pro	Asn	Ala	Pro	Lys	Arg	Pro	Pro	Ser	Gly	Phe	Phe	Leu	Phe	Cys	Ser
			100					105					110		
Glu	Phe	Arg	Pro	Lys	Ile	Lys	Ser	Thr	Asn	Pro	Gly	Ile	Ser	Ile	Gly
		115					120					125			
Asp	Val	Ala	Lys	Lys	Leu	Gly	Glu	Met	Trp	Asn	Asn	Leu	Asn	Asp	Ser
		130				135						140			
Glu	Lys	Gln	Pro	Tyr	Ile	Thr	Lys	Ala	Ala	Lys	Leu	Lys	Glu	Lys	Tyr
145					150				155					160	
Glu	Lys	Asp	Val	Ala	Asp	Tyr	Lys	Ser	Lys	Gly	Lys	Phe	Asp	Gly	Ala
			165					170					175		
Lys	Gly	Pro	Ala	Lys	Val	Ala	Arg	Lys	Lys	Val	Glu	Glu	Glu	Asp	Glu
		180					185						190		
Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Asp	Glu	
		195				200						205			

<210> 1668

<211> 636

<212> DNA

<213> Homo sapiens

<400> 1668

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gaggtccctg	tcaattttgc	ggaattttcc	aagaagtgct	ctgagaggtg	gaagacgatg	180
tccgggaaag	agaaatctaa	atttgatgaa	atggcaaagg	cagataaagt	gcgctatgat	240
cgggaaatga	aggattatgg	accagctaag	ggaggcaaga	agaagaagga	tcctaattgct	300
cccaaaaggc	caccgtctgg	attcttctctg	ttctgttcag	aattccgccc	caagatcaaa	360

```
<210> 1669
<211> 2821
<212> DNA
<213> Homo sapiens
```

<400>	1669						
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agccccgcgc	aagtctggcg	gcacctggcg	agcggagccg	gagtcgggct	ggggaccgcg	120	
gggttgaggc	cggaccgcgcg	cggggctcggg	ggagaaacgc	gcgctgccct	ggcacggggc	180	
ccaaccccc	ggccgcgcgcg	aatggtatgg	cccggccgga	gttaaggccg	gggggaggcg	240	
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ggcgcgggtc	ggggggcgcc	cgagggggccc	gggcccagcg	gcggcgcgca	gggcggcagc	360	
atccactcgg	gccgcacgc	cgcgggtgcac	aacgtgccgc	tgagcgtgct	catccggccg	420	
ctgccgtccg	tgttggaacc	cgccaaggtg	cagagcctcg	tggacacgat	cggggaggac	480	
ccagacagcg	tgcccccat	cgatgctctc	tggatcaaag	ggggccaggg	aggtgactac	540	
ttctactcct	ttggggcgctg	ccaccgctac	gcggcctacc	agcaactgca	gcgagagacc	600	
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```

ggaaaagttga ctgaggtgac cagtaataga attgaaaagg gagagtgtct tcagtgcaat 2520
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a                                                                 2821

```

<210> 1670

<211> 137

<212> PRT

<213> Homo sapiens

<400> 1670

```

Met Gly Leu Arg Ala Gly Gly Thr Leu Gly Arg Ala Gly Ala Gly Arg
      5                      10                      15

```

```

Gly Ala Pro Glu Gly Pro Gly Pro Ser Gly Gly Ala Gln Gly Gly Ser
      20                      25                      30

```

```

Ile His Ser Gly Arg Ile Ala Ala Val His Asn Val Pro Leu Ser Val
      35                      40                      45

```

```

Leu Ile Arg Pro Leu Pro Ser Val Leu Asp Pro Ala Lys Val Gln Ser
      50                      55                      60

```

```

Leu Val Asp Thr Ile Arg Glu Asp Pro Asp Ser Val Pro Pro Ile Asp
      65                      70                      75                      80

```

```

Val Leu Trp Ile Lys Gly Ala Gln Gly Gly Asp Tyr Phe Tyr Ser Phe
      85                      90                      95

```

```

Gly Gly Cys His Arg Tyr Ala Ala Tyr Gln Gln Leu Gln Arg Glu Thr
      100                     105                     110

```

```

Ile Pro Ala Lys Leu Val Gln Ser Thr Leu Ser Asp Leu Arg Val Tyr
      115                     120                     125

```

```

Leu Gly Ala Ser Thr Pro Asp Leu Gln
      130                     135

```

<210> 1671

<211> 109

<212> PRT

<213> Homo sapiens

<400> 1671

```

Met Ala Arg Pro Glu Leu Arg Pro Gly Gly Gly Gly Glu Ser Arg Gly
      5                      10                      15

```

```

Gly Gly Asp Asp Gly Ala Ala Cys Arg Arg Asn Ala Gly Gln Gly Arg
      20                      25                      30

```

Arg Gly Ser Gly Gly Ala Arg Gly Ala Arg Ala Glu Arg Arg Arg Ala
35 40 45

Gly Arg Gln His Pro Leu Gly Pro His Arg Arg Gly Ala Gln Arg Ala
50 55 60

Ala Glu Arg Ala His Pro Ala Ala Ala Val Arg Val Gly Pro Arg Gln
65 70 75 80

Gly Ala Glu Pro Arg Gly His Asp Pro Gly Gly Pro Arg Gln Arg Ala
85 90 95

Pro His Arg Cys Pro Leu Asp Gln Arg Gly Pro Gly Arg
100 105

<210> 1672

<211> 145

<212> PRT

<213> Homo sapiens

<400> 1672

Met Gly Leu Lys Ser His Val Leu Pro Ala Pro Asn Ser Gln Gly Gln
5 10 15

Gly Ser Leu Cys Ile Phe Val Tyr Val Thr Ser Tyr Met Asp Tyr Ile
20 25 30

Gln Leu Gln Gly Lys Glu Asn Leu Asp Cys Ser Gly Leu Asn Lys Gln
35 40 45

Lys Ile Val Phe Pro His Ser Met Asp Ser Gly Asp Gly Trp Leu Met
50 55 60

Val Leu Val Gln Gln Leu His Glu Gly Arg Gly His Val Leu Asp Pro
65 70 75 80

Phe Ala Leu Ile Ser Val Leu Val Thr Ser Trp Ser Gln Asp Gly Cys
85 90 95

Cys Ile Pro Lys Asn His Val Cys Val Gln Gly Arg Arg Gly Gly Gly
100 105 110

Arg Gly Arg Ala Lys Leu Ala Gly Pro Val Thr Phe Tyr Gln Lys Val
115 120 125

Lys Pro Arg Gln Lys Ser Val Ser Cys Ser Leu Pro Leu His Ile Phe
130 135 140

Thr
145

<210> 1673

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 2261-2262
 2262-2263
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 2267-2268
 2268-2269
 2269-2270
 2270-2271
 227

```
<210> 1674
<211> 90
<212> PRT
<213> Homo sapiens
```

```

<400> 1674
Met Asp Ser Gly Asp Gly Trp Leu Met Val Leu Val Gln Gln Leu His
          5                      10                      15

Glu Gly Arg Gly His Val Leu Asp Pro Phe Ala Leu Ile Ser Val Leu
          20                      25                      30

Val Thr Ser Trp Ser Gln Asp Gly Cys Cys Ile Pro Lys Asn His Val
          35                      40                      45

Cys Val Gln Gly Arg Arg Gly Gly Gly Arg Gly Arg Ala Lys Leu Ala
          50                      55                      60

Gly Pro Val Thr Phe Tyr Gln Lys Val Lys Pro Arg Gln Lys Ser Val
          65                      70                      75                      80

Ser Cys Ser Leu Pro Leu His Ile Phe Thr
          85                      90

```

<210> 1675
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 1675
 Met Gln Asn Cys Val Pro Val Ser Phe Cys Cys Val Thr Asn His Pro
 5 10 15
 Gln Thr Trp Gln Leu Glu Thr Asn Pro Val Phe Ser His Asn Pro Met
 20 25 30
 Gly Trp Gln Phe Gly Leu Gly Ser Thr Gly Gln Phe Cys Cys Ser His
 35 40 45
 Leu Gly Ser Leu Met Glu Leu Arg Ser Ala Val Thr Ser Ala Gly Pro
 50 55 60
 Gly Trp Ser Arg Ile Ala Leu Leu Thr Cys Leu Ala Gly Asp Arg Leu
 65 70 75 80
 Leu Ala Gly Ile Ala Trp Phe Ser Ser Met Trp Pro Leu Gln Gln Ala
 85 90 95
 Ser Ser Gly Leu Phe Thr
 100

<210> 1676
 <211> 1336
 <212> DNA
 <213> Homo sapiens

<400> 1676
 ctctaagcag catgtaacct ggcctgcac caggaaatag aggacttcgg atccttctaa 60
 ccctaccacc caactggccc cagtacattc attctctcag gaaaaaaaaa aaggtcccca 120
 cagcaaagaa aaggaatagg atcaagagat acgtggctgc tggcagagca agcatgaatt 180
 cgatgacttc agcagttccg gtggccaatt ctgtgttggg ggtggcaccc cacaatgggt 240
 atcctgtgac ccaggaatt atgtctcacg tgcccctgta tccaaacagc cagccgcaag 300
 tccacctagt tcttgggaac ccacctagtt tgggtgtcgaa tgtgaatggg cagcctgtgc 360
 agaaagctct gaaagaaggc aaaaccttgg gggccatcca gatcatcatt ggcctggctc 420
 acatcggcct cggtccatc atggcgacgg ttctcgtagg ggaatacctg tctatttcat 480
 tctacggagg ctttcccttc tggggaggct tgtggtttat catttcagga tctctctccg 540
 tggcagcaga aaatcagcca tattcttatt gcctgctgtc tggcagtttg ggcttgaaca 600
 tcgtcagtgc aatctgctct gcagttggag tcatactctt catcacagat ctaagtattc 660
 cccaccata tgctacccc gactattatc cttacgcctg ggggtgtgaac cctggaatgg 720
 cgattttctg cgtgctgctg gtcttctgcc tcttggagtt tggcatcgca tgcgcatctt 780
 cccacttttg ctgccagttg gtctgctgtc aatcaagcaa tgtgagtgtc atctatccaa 840
 acatctatgc agcaaaccac gtgatcacc cagaaccggg gacctacca ccaagttatt 900
 ccagtgagat ccaagcaaat aagtaaggct acagattctg gaagcatctt tcaactgggac 960
 caaaagaagt cctcctccct ttctgggctt ccataaccac ggtcgttcct gttctgacag 1020
 ctgaggaaac gtctctccca ctgtttgtac tctcaccttc attcttcaat tcagtctagg 1080

[illegible]

<400> 1677

Val Ala Pro His Asn Gly Tyr Pro Val Thr Pro Gly Ile Met Ser His
20 25 30

Val Pro Leu Tyr Pro Asn Ser Gln Pro Gln Val His Leu Val Pro Gly
35 40 45

Asn Pro Pro Ser Leu Val Ser Asn Val Asn Gly Gln Pro Val Gln Lys
50 55 60

Ala Leu Lys Glu Gly Lys Thr Leu Gly Ala Ile Gln Ile Ile Ile Gly
65 70 75 80

Leu Ala His Ile Gly Leu Gly Ser Ile Met Ala Thr Val Leu Val Gly
85 90 95

Glu Tyr Leu Ser Ile Ser Phe Tyr Gly Gly Phe Pro Phe Trp Gly Gly
100 105 110

Leu Trp Phe Ile Ile Ser Gly Ser Leu Ser Val Ala Ala Glu Asn Gln
115 120 125

Pro Tyr Ser Tyr Cys Leu Leu Ser Gly Ser Leu Gly Leu Asn Ile Val
130 135 140

Ser Ala Ile Cys Ser Ala Val Gly Val Ile Leu Phe Ile Thr Asp Leu
145 150 155 160

Ser Ile Pro His Pro Tyr Ala Tyr Pro Asp Tyr Tyr Pro Tyr Ala Trp
165 170 175

Gly Val Asn Pro Gly Met Ala Ile Ser Gly Val Leu Leu Val Phe Cys
180 185 190

Leu Leu Glu Phe Gly Ile Ala Cys Ala Ser Ser His Phe Gly Cys Gln
195 200 205

Leu Val Cys Cys Gln Ser Ser Asn Val Ser Val Ile Tyr Pro Asn Ile
210 215 220

Tyr Ala Ala Asn Pro Val Ile Thr Pro Glu Pro Val Thr Ser Pro Pro
 225 230 235 240

Ser Tyr Ser Ser Glu Ile Gln Ala Asn Lys
 245 250

<210> 1678
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 1678
 Thr Arg Pro Arg Arg Ala Ala Gln Gly Arg Arg Glu Ala Pro Pro Gly
 5 10 15

Gly Glu Pro Glu Pro Arg Ala Ser Leu Ala Ala Pro Gly Glu Arg Ser
 20 25 30

Arg Ser Arg Ala Gly Asp Arg Gly Val Glu Ala Gly Pro Arg Arg Gly
 35 40 45

Arg Gly Arg Asn Ala Arg Cys Pro Gly Thr Gly Pro Asn Pro Pro Ala
 50 55 60

Ala Arg Asn Gly Met Ala Arg Pro Glu Leu Arg Pro Gly Gly Gly Gly
 65 70 75 80

Glu Ser Arg Gly Gly Gly Asp Asp Gly Ala Ala Cys Arg Arg Asn Ala
 85 90 95

Gly Gln Gly Arg Arg Gly Ser Gly Gly Ala Arg Gly Ala Arg Ala Glu
 100 105 110

Arg Arg Arg Ala Gly Arg Gln His Pro Leu Gly Pro His Arg Arg Gly
 115 120 125

Ala Gln Arg Ala Ala Glu Arg Ala His Pro Ala Ala Ala Val Arg Val
 130 135 140

Gly Pro Arg Gln Gly Ala Glu Pro Arg Gly His Asp Pro Gly Gly Pro
 145 150 155 160

Arg Gln Arg Ala Pro His Arg Cys Pro Leu Asp Gln Arg Gly Pro Gly
 165 170 175

Arg

<210> 1679
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 1679

```

Leu Val Cys Cys Gln Ser Ser Asn Val Ser Val Ile Tyr Pro Asn Ile
 1             5             10             15
Tyr Ala Ala Asn Pro Val Ile Thr Pro Glu Pro Val Thr Ser Pro Pro
      20             25             30
Ser Tyr Ser Ser Glu Ile Gln Ala Asn Lys
      35             40

```

<210> 1680

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(717)

<223> n = A,T,C or G

<400> 1680

```

aaaagaattt ttgcttttctt tntctctaaa ttttccttcc gtgctttgat gcgggctcgt 60
ttctcacgtt ccagtctggg aaaatgggtcc acataaggca aggcaaagaa tcgtttccta 120
ttgtatcttt tatttaggtg ccaaggtata acccactgct tgaacttggt ccagatgatt 180
cttccaaaga tgtctcttct ccaagcacca ggtctagctc tttcttgacc agtctgaaga 240
agccttaggg catcttctct ttcttgaca actttatcta atgcatccat ggaatctact 300
accttatcta accgctctgg acttggcatt ggcaatctct gccgcttggc ctctgctct 360
aggggttagaa gcatgtttct ttctttcagt aagacatacc aaagtttggt taaatcttca 420
ttacttttgt tcttagttg ctgacaggtc catgctgctc cagattttac tttttcttgc 480
ccccagtttt ttgggtcatc aaaaaattct tctagtcctt tcttgacaa tgtggtatga 540
agtaatctat attggtgaaa ggatgtcaca tttggtgtac tcttangcaa caaactaaga 600
aaaaaccctg tcaggcaggg acctgaggag ttattaacga accgggaaga attcagggcg 660
gatgaaactc tctaccaag aaaggncaa accgggccgc agccatgttt tcncat 717

```

<210> 1681

<211> 305

<212> DNA

<213> Homo sapiens

<400> 1681

```

ctgtacattt aacaaaatat gtgcaagact gtcatggtga aaactacaaa acaatgataa 60
aagaaattca agaaaacaaa taaatacagg ggtatactat attcatgaat tgggagaatc 120
aatatcatta ttaagtctcc tcagattgat ctatagattc acagaaatcc caattcaaac 180
cctatcagga ctattttag aaatagacac actgatgata aaattttacat agaaacacaa 240
aggaagcaga atagccaaaa attattgggg aaaaaatgta gttgaaggat tcccattact 300
ccttt 305

```

<210> 1682

<211> 498

<212> DNA

<213> Homo sapiens

<400> 1682

```

aaattacact ccataaattt agacatatgt ctctccaagt aagtacgagc tgattgggaa 60
cgggctccaa tggacatggc tctgcagtca aaatagttag cagatggaca ggtttggaaa 120
atgtgagggc ccatatcatc ataaccagca ataaggagac caacaccata tgggtctccgg 180
ccatatcggt gtgttggtat ctgggtctct tagactgggt aacgagcttg ttttaacaag 240
gaatgaagta ctgtctttat tttcaaatta tacattatta acaaaggctc ctggcttatt 300
ctttaattgt tgcataatcc accagagaaa taatgcaata ggacactatt tctttggcct 360
aatataaaat gtttgacttt ctaccgaacc taagaaagag tgccagcaaa ataatttctt 420
cccatctaaa acctgatttg ttttggatac aagggggtct aggatttctt gggacatcta 480
gaaccattaa gaaacttt

```

<210> 1683

<211> 322

<212> DNA

<213> Homo sapiens

<400> 1683

```

aaaaattaaa aatagcacia ttctacaatt ctgattttac caagaaaata aacctttttt 60
ggcacatatt atcctatgaa aatggaaagc tgagtcaggc tgctctgctt ttcacagcac 120
aaataagcat tcatgctatc agacttgga aattaactcg gtgacaaaaa ttcactggaa 180
aatagaatcc ttggaaaaat ggggtcaggt gccatccact gagaggcaat gataatgtgt 240
gtccttcggt attagcacia agttaggcag cacactataa ttttagctac atgcaactct 300
ataggaacac atgtgggtaa gg

```

<210> 1684

<211> 293

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(293)

<223> n = A,T,C or G

<400> 1684

```

aaaagatgct gcttccctgt tttcttccag gaacacagag accaacacgg nttcaaacac 60
agggcgagct tctcactatt tcttgggaat gttacttctc agcccaacac ttctcttccc 120
aagaagttca agttttgaga ctgtttttct ccccggaaca gtacttaaaa aaaaaaaaaat 180
cnttgatntt caaanatggg ttnttttctg gtcttggaa agcatcagta actaaatctc 240
aagttntcca caatgctgcc cccctgggg ggctaaccgg atgccaaggg aga 293

```

<210> 1685

<211> 390

<212> DNA

<213> Homo sapiens

<400> 1685

```

aaattgtcta actcctatcc cagtttcttt ttatagtcta aaaacaagga atcacccaag 60
taagatactc cttcagagca ctgctgaaaa cggatcaaac gttagagatcc cccagatccc 120
tgttctcaag tgttaaaaat attttatatt agcacataga atacccttag atatattctg 180
ttatgttcta aagagtttgt gtttccccct ttttgatgat gtcttcaatt tcttctgaga 240
cctttcctgt atagtcattt gggtctattg cttttaactt ctcttgatac tccagcggca 300
aaccattttc ttttgacccc atgcaaataa tctttttata ctgtggggat gggggagcac 360
tttcgtaatt tgtcatcaga taacttcgac

```

<210> 1686
 <211> 549
 <212> DNA
 <213> Homo sapiens

<400> 1686
 ggggtccagtc caacctgctc ctcattattg taaacatgtg cagaatcaat atgggtggaac 60
 ccggctttcta ttgccaatTT gacggcctct agagctttac ttttaggaac ctgggggagc 120
 aaccaaacgt aatattttct gactaatgtg cctgagagtt agttcgggca caagcagcaa 180
 cgttcacaaa aatcagcttt tctctctttc ttggatgagc tctgtatgta gaatcataag 240
 cccatcccag tctgactggg tctttcccat ttagtaataa aggttgggca tagcaggaac 300
 ttctgcagtc ccagaaaaat cactgaaagt ggaagtgtcc ccaaaacaat ttcactttca 360
 gtgatttttt ggaaaaatca acaggacgca actatagtta cagacataat ctttaattatt 420
 tttagtattg tgaaattaac acaaggaaat agccacatgg aaggaattat gaaggaatgc 480
 agtgtaaagt cctgtgatcc ctctcccacc atgttgcaca gagcgccactg actttatcca 540
 gcatcatat 549

<210> 1687
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(442)
 <223> n = A,T,C or G

<400> 1687
 caactgcaaa tgaagatcct ttttggatac ttgntgagaa agacacattn ggggggggggt 60
 tgtgacnaaa ataacgatgg ccggcttgat cccaagagc tgttaccttg ggtagtacct 120
 aataatcagg gcattgcaca agaggaggcg cttcatctaa ttgatgaaat ggatttgaat 180
 ggtgacaaaa agctctctga agaagagatt ctggaaaacc cggacttggt tctcaccagt 240
 gaagccacag attatggcag acaggctcca tgatgactat ttctatcatg atgagcttta 300
 atctccgagc ctgtctcagt agagtactgg ctctttttat aatttggtac cagctttact 360
 tttgtgataa aatattgatg tngnntttta cactcttaag tcttaaccac agtcacaatt 420
 atcttaatgt agatnataat tg 442

<210> 1688
 <211> 340
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(340)
 <223> n = A,T,C or G

<400> 1688
 ctgccagcta acagcaagag cnttgagggc atcactgaac agatagcacc tnatgngntn 60
 tnatgattca aaaatctccc ttgctgttgg atttaccac acgtaggctt ttatttcttc 120
 ccattacatc tgtttagcca cagaaagcat cgggccatac tcaactgcaga agataagact 180
 tcttcagaat cttatttggt tagtgcactc aattttactt cactgtctca tcaactgaga 240
 gactggttaa ggcaagaaac ccattttctta acattttttt tgttttcaaa catttgaaaa 300

gcaacaccaa aacgtatgca gttaattcct caattctttc

340

<210> 1689
<211> 140
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(140)
<223> n = A,T,C or G

<400> 1689
ccagagggcc tgcacatgca atttccagtc cctgccttca gagagctgaa aagggggcct 60
nggtctttta tttcagggtt ttgcatgccc tctattcccc ctctgcctct cccaccttc 120
tttgagagcaa ggagatgcag 140

<210> 1690
<211> 485
<212> DNA
<213> Homo sapiens

<400> 1690
gagattatta cccagaattc acatgtaggg atggggaagg acaatttttt tttaactaaa 60
aaagtgtggcg gcaggggtgg ggggtggcaa tcatttttct tcctatacat acaaaggata 120
ttgtcaaaaa tggcggttct ctcttgtggc ctgttattct gattgctgct gtatacagtt 180
ttgtcactct ttagttttta gtttaagcata ctgatagact ttctctctaaa agccattcac 240
tccagatttt acctggggaa tattctacat actgcttact ttctctataa aactcatcaa 300
taaatacatga aaggcactga gttttgtaaa tcaggaccct aaatgtttta ttgtaaataa 360
gttttcagata attattatag ctttgcgttg aagtttgttg ttttttttct caactagtta 420
agtcaactgc ttctgaaata actctgtatt gtagattatg cagatcttta caggcataaa 480
tattt 485

<210> 1691
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

<400> 1691
gaagaaacaa ngatgacttt tttanaaaca aagcataatg ctggcaatnn ngnggggggt 60
nnagtttttcc aaacatgtta tcttaaatac ccttttatcc ttacaggttg acataacttt 120
gaatgttttta acagcaagaa tnttaagaaa agataaacac catttttatt atntataaaa 180
acaaaattan ttncaaatat ttttgacatt gtgatttttt ttttccacat ttctcagcaa 240
anctaattggn attttaatat ttatttttgc ctgtcataag aaaactctta nctgaaatgg 300
ccnnaaaact gtganacatg ctatggaanc tgaatgccgg ac 342

<210> 1692
<211> 450
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(450)

<223> n = A,T,C or G

<400> 1692

```

aaaaatgggg ccccaaagac tgntaagagc tcatccccgt ggtctcctat caccgggggnn 60
gggggttcacg tctgatgaga agcttgagcg gtactgaaac tcatacatgt aggtgggtgc 120
tccagcatct ctgtgggtcc gggccacaat cacagatggg acaccaaaca tcacatctgc 180
tatcaagtcc aggaacaggt ctttcttttt gacagtgtcg tctgttcctc ctaagtattt 240
ctcagtggct tctggaatca gttccttagc aatgcaaaca aggggatagg acttccacag 300
gagtgcacatg gctgtcttct ggtccagttg cccttcggag agtggatagc tcatcaactg 360
cattggaatc aaccagccaa actcctgctt gttaattccg accatgtang ggacagngtg 420
gaaattcctt tcagcttgaa agctcttcag                                     450

```

<210> 1693

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(436)

<223> n = A,T,C or G

<400> 1693

```

ctatttttatt aacatcatgn tttaataaat aactggctac ttctaataaa nnggggggnt 60
cngttttacaa cagcccccaa tattecattt tgaccactct gcagaatttg gtgtaaaaag 120
ttgaatgaaa tgtagacct gagctatcaa gtaattatgt ttcaatataa aaatagagaa 180
ttactcttac aactgaagat tgaacaataa cacaacaac ctctttgtgg gttttagggt 240
cggtaaaatt agttgggatc ttaatggctg tctaaagcag gaaganacag aattttaatc 300
tttctgaaga cttctgggaa ctnccttgaa agngatttgt taccttatca gagtttatga 360
gctattattt tggtnaaggc acaangaaag gattcccang nngttgntan tcttttgccc 420
tggacnacaa anattg                                     436

```

<210> 1694

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(313)

<223> n = A,T,C or G

<400> 1694

```

attatctgca aggttttttt gtgtgtgtnt tngnttttat tttcaatatg caagttaggc 60
ttaatttttt tatctaataga tcatcatgaa atgaataaga gggcttaaga atttgtccat 120
ttgcattcgg aaaagaatga ccagcaaaaag gtttactaat acctctccct ttggggattt 180
aatgtctggt gctgccgcct gagtttcaag aattaaagct gcaagaggac tccaggagca 240
aaagaaacac aatatagagg gttgggagttg ttagcaattt cattcaaat gccaaactgga 300
gaagtctggt ttt                                     313

```

<400>	1695						
ccatttttcag	gggaagcttg	ggagagcaat	agtatggtga	gccccttaga	gatgagcgcc	60	
tactccttct	tggcgaatgc	tgccttcaga	tgcttaccaa	gtggtcactg	catctagtaa	120	
gattatattt	ccagtacact	tccttagggc	agaaacacca	tcctatcagg	tttggtcagt	180	
cccttcttca	tgaagggagt	catggggaat	tcctgaaaat	tttcttcctt	ctgcagacag	240	
ttggatgagt	cccttagaga	aggcatccag	agacataact	aaactgaata	tcatcccata	300	
ttgatttttag	gaattgactc	taaaactctg	tgcagaatct	tgtgttggga	ttgtatcttg	360	
acattcctgt	tgtgttattt	ttcttaactg	gagtgtgtgc	tgcttttcag	gtacaatttt	420	
tgtgtaataa	aagccagtg	attaagttta	tatagactac	tttctatgca	agactgagat	480	
atggaataga	taggaagaga	tatgtactgc	tgggtacatg	ga		522	

```
<220>  
<221> misc_feature  
<222> (1)...(174)  
<223> n = A,T,C or G
```

```
<400> 1696
ccagccattg cctggcattt ggtagtatag tatgattctc accattattt gncanggagg 60
cagacataca ccagaaatgg gggagaaaca gtacatatct ttctgtcttt agtttattgt 120
gtgctggtct aagcaagctg agatcatttg caatggaaaa cacgtaactt gttt 174
```

```
<210> 1697
<211> 561
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> (1)...(561)  
<223> n = A,T,C or G
```

<400>	1697						
ctgtaatggt	attgcagatc	cncatctctc	gctcaactgt	taatgtctca	acctnnagag	60	
gcacccacc	cagcacactg	tcagtaaagg	ggcagattga	aacagtgaga	gttaagggta	120	
cagtagaaaa	ttctgcatgt	ttgcagtgac	tagaatcaga	tagtagtggtg	gtgggttttt	180	
tttttaaatca	ttatgaanag	tgggagcttg	caggtaaggc	ttctgtgggtg	gtttgaaaag	240	
cagaaaagcaa	taaatgaaac	aaagngtttg	tgtaatatat	tctctgcttg	tcttcttcac	300	
tcagagttga	aataggtttt	gcagtaaagc	tggaaaaaaa	aagaaaacaa	atgttcaaaa	360	
ctgtgtgtgt	tggngggngg	aatttctctt	gcttatagna	gtttcagagn	aactatatgt	420	
tttttttctt	ttctttttca	caggcacaga	aaactgaatc	tgtanacagc	gagggaaaat	480	
gaattgcacg	ataaatttggg	gttgatttta	tgtatctctt	gggacaactt	ttcctcgggc	540	
qcnaccacnc	taagggcgaa	t				561	

<210> 1698
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(267)
 <223> n = A,T,C or G

<400> 1698
 cgaggtctgc cctcgattgt gtattttctgt tggatcaaac actcccatgt taccactnng 60
 cnncataatg tatcgatata tattccaagt ggcaacaggt aagttgagaa ggaagatgaa 120
 ccagtgaat gacatgagca gtaatacagt gacaatggta tggccactta aattaaaaat 180
 ataacaaaat tgaaaaatag acatataacc aaaaagattc taaatcttgc aaggaaaaaa 240
 agaataaagc tgccaataag ttattttt 267

<210> 1699
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 1699
 tgttaagatt ttttttgcta caaagaggag gtggcaatgg tagatccacc cttatgcttc 60
 tcagtttagc ataacctctt atggattttc atcaaattca gcgtgttggt cactggaaag 120
 agccttttcc ttctcctttt cttactctcc cctcatgggt ttccctctt aaaggagagg 180
 agcttttaat ttacacttac cacctcattt gcttttctgg aggccatgca atataggcgg 240
 gactacagag ttaatctcct ttttacaat gaggccaaga gaagcctcat tggttcacag 300
 tcatgcagct catactgtcc acccttgtat tctcagatgc aggacaattg catttttagtt 360
 ttattttgtg gaggtgcaga atatttactc tttctgtcca acccttgatt ctgccgagga 420
 agacactgat ggtttgatga gtgattcag 449

<210> 1700
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 1700
 acatttcaca aataagatgt agctttccaa acaaatccat tcgatgacca ttatcacaac 60
 tatattttat tctaatttat aaaacaaaaa atggtttagac aagcacatga tatcaagagt 120
 cttcaacaca gtggattcca ttttattaag aaaaaaata gaaaacaagt agtccttaaa 180
 ttgtcttagc tctccatagc atacgttata taaaattaaa gttttgcttc caaaaatatg 240
 tttccatgtg gtcgtggtgt tgtccagtgc tattagggcc aaagcaccaa agacatgaga 300
 agtttaacca tcgacttgtc atttttcata aaagctaaac atttccttat aggtctggag 360
 taaaatcttc taggcatttt agtgctaaaa gtcacttt 398

<210> 1701
 <211> 257
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(257)

<223> n = A,T,C or G

<400> 1701

```
aaanaacact annngacctt agagatnata actgtttgat aatttgntct agncgtattg 60
ncntaaaaga tatatnnng gggggnnnt cnntgtnaan ngntgtttgg attgcctgat 120
attatancnn ggnngttggg nnntatntna cncantatac ctengncgca accncgctaa 180
tggcnagnat catnacactg gcngncgtta ctactggatn cgagctcngt gccaatnncn 240
ncgtentcat ngcceta 257
```

<210> 1702

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (526)

<223> n = A,T,C or G

<400> 1702

```
acctaattna ttgaagtaat aaccaaataa ttttcaatct tgattcaact gtgattcaaa 60
tcttacacca tttgccact tctatgaatt ttatgtataa aattttttaa gagtcagagt 120
tttttttctt gattaattgg atgtatttca cagaatttcc aactgctcac gttagttttc 180
ttccttttag agttgatctc tctaattgat tagatcttca tgcctttgat agtctctctg 240
gaataagttt gcagaaaaaa cttcagcatg tgccaggaac acaacctcac cttgatcaga 300
gtattgttac aatcacattt gacgtaccag gaaatgcaaa ggaagaacat cttaatatgg 360
ttattcagaa tcttctgtgg gaaaagaatg tgagaaacaa ggacaatcac tgcattggagg 420
tcataaggct gaagggattg gtgtcaatca acgacaaatc acaacgagtg attgtncagg 480
ggggtccatg agctctgggt atccggggagg agactccaat gagctg 526
```

<210> 1703

<211> 116

<212> DNA

<213> Homo sapiens

<400> 1703

```
gacctccgaa ctgagctcta atttagctga tcagattttg cttgggtaaa gttccttttt 60
aatgttctaa agtgttttac gttctcaaat atcagttaaa aactaatttt aggtgg 116
```

<210> 1704

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (241)

<223> n = A,T,C or G

<400> 1704

```
aaaaattgtg taattgttaa atgtccagtt ttgctctgtt ttgcctgaag ttttagtatt 60
tgttttctag gtggacctct gaaaaccaa ccagtacctg gggagggttag atgtgtgttt 120
caggcttgga gtgtatgagt ggttttgcct gtattttcct ccagagattt tgaactttaa 180
taattgcgtg tgtgtttttt ttttttttna aggggctttg ttttttttn tcaanaaaaa 240
```

525

t

241

<210> 1705
 <211> 336
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(336)
 <223> n = A,T,C or G

<400> 1705
 ggtcctgtnt anacacacat caatatgaaa caaaaaaaat ttatataaat aagtcaatta 60
 aacttcacaa aaactaaaga aacacaagac aaaaatccaa caagcaataa aaactgtaca 120
 atattgggtca gtctttttata tctgaaaaat gtgtaactta aaaaaaagtt atttatcgta 180
 taaaaaaagt cttttacatc tgtgttagct ggagtgaaaa cttgaagact cagactcagt 240
 ggaaacagat gaatgtccac ctgcgtttcc tttggagagg atcttgaggc tggaccctct 300
 gctcacagag gtgagtgcgt gctgggcaga gggtttt 336

<210> 1706
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 1706
 aggggtggctc tgggagcagt tgtgctgcgg gcttgctggg ggagaactct aactgttgca 60
 gaaacagagc ttcattggctt gcttaaatta cttagctgga atatttt 107

<210> 1707
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(512)
 <223> n = A,T,C or G

<400> 1707
 ttttttgtct ggtaattata tatttattat ttagcaaaac tgaagaaaaa aagcacagaa 60
 ttgtttcaac agatgtctct cattttcagc tagcatttct ctccaagtt gagctggttt 120
 aatgtgtttt ggatttccct cctcaattgg cttatttttt agatcacctg caattcattt 180
 gcaaattgca ataaaacaca ttttagaaaa aaggaacctt caattattag ctttgtttct 240
 ttttaaatgt atatatattg actaatgttt gtgaatgaag ttggctaaca tgtatttagt 300
 ttcatttttg cggtatgtaa tataaagttt taaaaattt aaatatgggt ttaaccttta 360
 tgtgtaaaatg attttctagt gtgaccttct aatttaatat tagacgtcta aggtatatct 420
 gtaaattaga atccgactat cactctgttc attttttttg aacaaagngn ttaaagaaag 480
 cctgaaccag ggaaaaaaa aaaaaaaaaa aa 512

<210> 1708
 <211> 203
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(203)
 <223> n = A,T,C or G

<400> 1708
 aatcttctaa aggaagaaca gaccccccag aataanatta cagttgttgg ggttggtgct 60
 gttggcatgg cctgtgccat cagtatctta atgaagacta taatgtaact gcaaactcca 120
 agctggtcat tatcacggct ggggcacgct agcaagaggg agaaagccgt ctttaatttgg 180
 tccagcgtaa cgtgaacatc ttt 203

<210> 1709
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(271)
 <223> n = A,T,C or G

<400> 1709
 ngttgaaaaa atagatccaa tcagtttata ccctagttag tgttttgcct cacctaatag 60
 gctgggagac tgaagactca gcccggttgg ggctgcagaa aaatgattgg cccagttccc 120
 cttgtttgtc ctttctacag gcattgaggaa tctgggaggc cctgagacag ggattgtgct 180
 tcattccaat ctattgcttc accatggcct tatgaggcag gtgagagatg tttgaatttt 240
 tctcttcctt ttagtattct tagttcttca g 271

<210> 1710
 <211> 239
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(239)
 <223> n = A,T,C or G

<400> 1710
 tacaaaatat ttttaattgta agtgggtcaga ggaattcttc tggtttctcc cttatggnta 60
 tttttaattt gtacaatagt tgcttctgtc aactcagcga caatgccatc atagctttca 120
 aatgagatca ccctgtagat cgatggacta tgccttaaag ttgcagatgc ataaaggaga 180
 ctgaggacaa atggtgaaaa ctgtagttac tgaacccaaa tgttactcag agatatcaa 239

<210> 1711
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 1711
 agtgtaagtg aacacagaag agtgacatgt ttacaaacct caagccagcc ttgctcctgg 60
 ctggggcctg ttgaagatgc ttgtatttta cttttccatt gtaattgccca tcgccatcac 120
 ag 122

<210> 1712
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 1712
 ttcccataaa taaaagtaca gttttcttgg tggcagaatg aaaatcagca acttctagca 60
 tatagactat ataatcagat tgacagtata tagaatatat tatcagacaa gatgaggagg 120
 tataaaagtt actattgctc ataatgactt acaggctaaa attagtttt 169

<210> 1713
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 1713
 tgacagagag gatggcgctg tgcaccatag tctcccagag gaagcagata aagcgggaagg 60
 ctccccgtgg ctttctaaag cgagtcttca agcgaaagaa gcctcaactt cgtctggaga 120
 aaagtgggtga cttattgggtc catctgaact gtttactgtt tgttcacga ttagcagaag 180
 agtccaggac aaacgcttgt gcgagtaaag gtagagtcac taacaaggag catgtactgg 240
 ccgcagcaaa ggtaattcta aagaagagca gaggttagaa gtcaaagaac atattcttga 300
 aagttatgat gcattctttt ggggtggtaac agatcataaa gacatttttt acacatcagt 360
 taatatggga ttattaaata ttggctataa aa 392

<210> 1714
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 1714
 tgggagggat attttccac aggaacaagg gtctccgtga tgacacgggg tctctatagt 60
 catgttgaga gcctaattggc ccttggcata attgctgggtg ttggggtaga aggtgtcttg 120
 gagtttgctc aagtgggtga gagggaggga ggtgccatag acttgaggga actggcacga 180
 agccaaggat acaaatccag gcagggctgt ggggcaggat agggagcagg gccttctact 240
 gaaggagtga ctcaggaagg aggaggggaa ggtgacaagc ccctgggcag gagccctgtg 300
 g 301

<210> 1715
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 1715
 taaattcagg ctaacttctg aaaatcccgt tttattcacc tcactgtggt accagtaact 60
 atactgagtc aggttacttt acagttaact atgtcaccta aaacacaata atccattaac 120
 actctaataa cagttattgg gtgtgggtcat actggaaatt cttaaccata tagttgtcctt 180
 gccaatTTTT tttt 194

<210> 1716
 <211> 185
 <212> DNA
 <213> Homo sapiens

```

<400> 1716
gtaggaatgg gttcttggtg cacaagatag tattgttgag ctagttttcg agctctgtgc 60
acaagcactc ttttaattccc acggacgggg ctctccagc tacagcagcc aaagcatatt 120
caatctggac aagtttacca gacgggctga atgtagtcag cgaaaaactg taccgcgcgt 180
ccgcc                                             185

```

```

<210> 1717
<211> 296
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (296)
<223> n = A,T,C or G

```

```

<400> 1717
aanaggctct tgggtggagag gactgtgaag ccgtcggcag gtgtgccctc ggttgtgccg 60
tcggcgtcgg ctgccttact gacttcaccc tgcttcttct tggatttccg ggcccccttc 120
ttgcctcctg cttttttaga tgcaggcttc ttctgggatg gagacttggc ctttttggct 180
gggggtgggtg tgatgatggc ttccaacttt ctttggatc cccgcttctt cgctagcaac 240
tcgggggtgga tggtgggtaa cacaccccca ctggctatgg tgactccttt tagcag      296

```

```

<210> 1718
<211> 343
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (343)
<223> n = A,T,C or G

```

```

<400> 1718
atggcattaa ttgttccttg cttttatagg gtgtattttg tacatttttg atttctttat 60
ataaggatcat agattcttga gctgttggtg tttttagtgc acttaatat agcttgctta 120
aggcatactt ttaatcaagt agaacaaaaa ctattatcac caggatttat acatacagag 180
attgtagtat ttagtatatg aaatatnttg aatacacatc tctgtcagtg tgaaaattca 240
gcggcagtggt gtccatcata ttaaaaaatat acaagctaca gttgtccaga tcaactgaatt 300
ggaacttttc tcctgcatgt gnatatatgt caaattgtca ngc                    343

```

```

<210> 1719
<211> 193
<212> DNA
<213> Homo sapiens

```

```

<400> 1719
tcgaggaccc ccgagatgca gaggatgcta tttatggaag aaatgggttat gattatggcc 60
agtgtcggct tcgtgtggag ttccccagga cttatggagg tcgggggtggg tggccccgtg 120
gtgggaggaa tgggcctcct acaagaagat ctgatttccg agttcttggt tcaggacttc 180
ctccgtcagg cag                                             193

```

```

<210> 1720
<211> 176

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(176)
<223> n = A,T,C or G

<400> 1720
tgattcagaa ttttttttaa tgaaaggatn attgcactaa ctttcttcct gctgctctga 60
ttctgcattt gtggtacttg tgactacgtt ntttcaaata tagatagatt taagctgcta 120
atTTTTTTTT ttttagtaac cactnctata tcatgtcttt tactctgntn ataata 176

<210> 1721
<211> 128
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(128)
<223> n = A,T,C or G

<400> 1721
tattcttang aaacttccct aatcccttgg aaattcccgg gtccttcaag aataaaaaaaaa 60
aaagggtcaa gaagaacaaa ttaccaaagg gaaagaatgg ctttcaatat aataagggtcc 120
atttttta 128

<210> 1722
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(285)
<223> n = A,T,C or G

<400> 1722
ttatgaagtt gacaaataaa taaaaggtag tggntatgtc tgagcttatt gtgtttgagc 60
taacaccagg ttactcagta accatgacct gtcctccat ttccatttat tctcaacatt 120
aaatagtttt atcttggtgn tgccagaaat gcacttgtgc cagnnattgn ccctgctgta 180
tgaaaagctt cttggcaatg aattctgtaa taagtgcct acattatggn tttctggtgg 240
aattggttta acangacaa cccaggattt ccaatatatt tttgt 285

<210> 1723
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

<400> 1723

```

cttggcttgc aggtggcacc ttctcactat gtntctcacat ggccttttct ctgtggagag 60
ggacannnag catgagcagg ctctgggtgc tcctcttctt ataaagacac taatatcacc 120
atattagggc ttaaacctat gacctcattt aaccttaacc ccttaaagggt cccatctcca 180
aaaacagtca catagcagge tactgcttca acatatgcat ttggggggagg ggacaccatt 240
cagttcttaa caggggtggc accgcaaaca tggaaagtca gagccttctc cccttcagaa 300
ttcccgcccc caccagggga tggggaagag gagcagagag gtatgggaag cagacacgga 360
gagtggcagg taccatgctg ggggtgggctc aggagtgctt tcgganggac atatggaact 420
ggcagggctc aatgcangga gggcggaagn ccttgggaag ancccgtggc ctgagaaagg 480
ggctgggcta caaccctngg caagttactt taccnntgac cttcgatgct tttggg 536

```

<210> 1724

<211> 145

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(145)

<223> n = A,T,C or G

<400> 1724

```

ctgncctttt gnaacaggac cctcacncta tncaatgggg ggttnanntg aagcatganc 60
ntatncatgc ggaaaaccca actcatgtga gcncaaancg gancgacca gacaaccatg 120
natgcggcta atatggggag agaaa 145

```

<210> 1725

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1725

```

caattctgga attaccact tgtttaattt tgagcaacat gatctagcat taatgtagtc 60
acattctaaa tcagacaatg taattatgaa gtagaccgag aggaagatga gcgcgcaaca 120
atcgaggaga gagaagacga acaccaccgc ctccatcctc ctccctccgtc gcc 173

```

<210> 1726

<211> 302

<212> DNA

<213> Homo sapiens

<400> 1726

```

acccgttgga aatgggccat ggtctaattt ggtgttgaaa taaactaacc tctttggtg 60
tttctcccaa actgccacca gccaggcaag gccaatccaa tactgactgc tggctggggg 120
agctcgtaat ggggtgatgc gccctgcttt ttgcatatgt caggctaaca ggtgctttat 180
ttccagagaa ttgttaatgc ccttttttga aaagagcagc agaaattccg gacaagaatc 240
tgaaaaatag gtgtcaaaaa ctatttccca gaaggtagct gtacaggagt ttgagtctcc 300
ag 302

```

<210> 1727

<211> 274

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(274)
 <223> n = A,T,C or G

<400> 1727
 ttnggttgaa aaaatagatc caatcagttt ataccctagt tagtgttttg cctcacctaa 60
 taggctggga gactgaagac tcagcccggg tggggctgca gaaaaatgat tggccccagt 120
 ccccttggtt gtcccttcta caggcatgag gaatctggga ggccctgaga cagggattgt 180
 gcttcattcc aatctattgc ttcaccatgg ccttatgagg caggtgagag atgtttgaat 240
 ttttctcttc cttttagtat tcttagttct tcag 274

<210> 1728
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 1728
 aaatcccttt ctgcttccac tggaggcaaa actgaacaaa atgttagtta aatagagaga 60
 gcagcatttc taagaaatct gtggtcagca ttatagacca tctatgctac aaggatgtca 120
 ttaaatagga tttgttcaat tactggattc ttcttctatg atcagttata gaatttctgg 180
 tttatatctc tgattcataa aactgggact ccactttttg aagatacatc tgattgattt 240
 ttttcagtca tgatttaaca gacttctttg agatgctcat tttaacattt acataattta 300
 taatcccaaa tgtataaaag acaatgaaaa aagcatcata aataaataat gcaaaatgaa 360
 atagttatgt cagacttttg gaccttctga taaattagca aaactgtaac agaaa 415

<210> 1729
 <211> 309
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(309)
 <223> n = A,T,C or G

<400> 1729
 acanaccgta tacttttatgc aaacaaagtg atgcctcact gacttaggag acaagtcaca 60
 tgccatcagt gtgtcagaaa atttctttct tcagtgatag ttaaggtaac ctgccagct 120
 actttccaga gacagctcca gggcaatact ggggaaaaaa aaatcagaga cataggaccc 180
 caatagagcc ctgtgcaaca aaaagatgct agataacaaa actcaaagca aaactaagat 240
 cattccaatt taggggaaag tttttttatt cagtgtttta gattaaaaac tacaagattt 300
 tgcttgacg 309

<210> 1730
 <211> 285
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

<400> 1730

```

ancgtgtactg tatttatgtt gctattgggtc aaaagagatc cactgttgcc cagttggtga 60
agagacttac agatgcagat gccatgaagt acaccattgt ggtgtcggct acggcctcgg 120
atgctgcccc acttcagtac ctgggtccctt actctggctg ctccatggga gagtatttta 180
gagacaatgg caaacatgct ttgatcatct atgacgactt atccaaacag gctgttgctt 240
accgtcagat gtctctgttg ctccgccgac cccctggctg tgagg 285

```

<210> 1731

<211> 244

<212> DNA

<213> Homo sapiens

<400> 1731

```

cattaccttg ctaaaatttc cactaagcta cagcttcaga tatttacaag aaaaataaat 60
atcttttaac agacttcaat gtggtttaac agcaagctag ctgaggagtt gtattttgtt 120
gttatttcag gtaacttttt attaagaaac agttaatatt tcagcgatta caatttcagg 180
tgttcaaaac tcaagaaggg tcatcattat actctgaagc agaattcttc aggtactcat 240
cttt 244

```

<210> 1732

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(272)

<223> n = A,T,C or G

<400> 1732

```

ctgggaagnc agttcgttct ctctctctct ctcttcttgt ttgaacatgg tgcggactaa 60
agcanacagt gttccaggca cttacagaaa agtgggtggct gctcgagccc ccagaaaggt 120
gcttggttct tccacctctg ccactaattc gacatcagtt tcatcggagg aaagctgaaa 180
ataaatatgc angagggaac cccgtttgcn tncgcccaac tcccaagtgg caaaaaggaa 240
ttggagaatt ctttatgttg tcccctaaag at 272

```

<210> 1733

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(388)

<223> n = A,T,C or G

<400> 1733

```

anttgaaga gcatatgaac acgggccagc tagcaggatt ttcacatcaa attagaagtc 60
tgattttgaa taatatcatc aataagaagg agtttgggat tttggcaaag accaaatact 120
ttcaaatgtt gaagatgcat gcgatgaata ccaacaatat cactgagcta gtgaactatt 180
tgggcaaatga cttaagttta gatgaagctt cagtcttgat aactgaatat tcaaagcact 240
gcgggaaacc tgtgcctcca gacactgctc cctgtgaaat tctgaagatg tttcttagtg 300
gattatcgta aatcactgaa cctttttttc aagaaggaca agaatttttg agtctgctat 360

```

1730 1731 1732 1733
 244 272 388
 DNA
 Homo sapiens
 misc_feature
 (1)...(272)
 n = A,T,C or G
 (1)...(388)
 n = A,T,C or G

taatgggacc atatttatta cagttttt

388

<210> 1734

<211> 282

<212> DNA

<213> Homo sapiens

<400> 1734

```

tttggaatgt aaaattaatg gtatctggta tcaagttgta agaaaaactc cccagattg 60
ggaggtaact gagtgatatg tgaaagaatc ttcccgctcg aatttaagaa tacacctaca 120
ctgggcagaa aaaggtgggg gagaggaagt agaagtagag gaaaagcaca actccactgg 180
cttcaatcaa actgaggtaa ctaattagag acggaaaata aataaatcaa caaatgcccc 240
atttttgttt tccaaaaaag atcactggca actaacaatt tt 282

```

<210> 1735

<211> 268

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (268)

<223> n = A,T,C or G

<400> 1735

```

ntaagccagc cttcctcaag aatgccagac agtggacaga gaagcatgca agacagaaac 60
aaaaggctga tgaggaagag atgcttgata atctaccaga ggctggtgac tccagagtac 120
acaactcaac acagaaaagg aaggccagtc agctagtagg catagaaaag aaatttcac 180
ctgatgttta ggggacttgt cctggttcat cttagttaat gtgttctttg ccaaggtgat 240
ctaagttgcc taccttgaat tttttttt 268

```

<210> 1736

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (478)

<223> n = A,T,C or G

<400> 1736

```

tnatagactt ttccaatggc ccccttataa caccagaaag gattgtaatc ttgggcgtat 60
tttgtgctgg catctttggc agttgtgaag atcttgtacc agagcgtggc gttgctgtac 120
gtgtcaggaa cacagtgcgg tggctgtaca gtgacgggga acacccagc gctggccgtg 180
agggctcatgc aggtgttgaa taccacctgc tcacagtgc cgtggagggc gcagtcac 240
gagctccacg ctgtaggcag ggtgaagggt atgtttatct cctcgtgggc ttccctgcct 300
gaaagtccaa tctgatgccc taagatggtt gactacagat ggggtgacgtt gcgggaatac 360
cctccgaagg gtttcagtgg gtccagggtt aggggtgatt agactgagat attcaccggg 420
cccagatcct ccagggcctg gggggactgg gtggaagctc gggcctgccc gctgggtca 478

```

<210> 1737

<211> 489

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(489)

<223> n = A,T,C or G

<400> 1737

```
ctttnaggat ggcgagtagc agcggctcca aggctgaatt cattgtcggg gggaaatata 60
aactggtacg gaagatcggg tctggctcct tcggggacat ctatttggcg atcaacatca 120
ccaacggcga ggaagtggca gtgaagctag aatctcagaa ggccaggcat cccagttgc 180
tgtacgagag caagctctat aagattcttc aaggtggggg tggcatcccc cacatacggg 240
ggtatgggtca ggaaaaagac tacaatgtac tagtcatgga tcttctggga cctagcctcg 300
aagacctctt caatttctgt tcaagaagggt tcacaatgaa aactgtactt atgttagctg 360
accagatgat cagtagaatt gaatatgtgc atacaaagaa ttttatacac agagacatta 420
aaccagataa cttcctaatt ggtattgggc gtcactgtaa taagttattc cttattgatt 480
ttggtttggg                                     489
```

<210> 1738

<211> 262

<212> DNA

<213> Homo sapiens

<400> 1738

```
gttacagatg acatgtatgc agaacagacg gaaaatccag agaatccatt gagatgtccc 60
atcaagctct atgatttcta cctcttcaaa tgccccaga gtgtgaaagg ccggaatgac 120
accttttacc tgacacctga gccagtgggt gcccccaaca gcccaatctg gtactcagtc 180
cagcctatca gcagagagca gatgggacaa atgctgacac ggatcctggt gataagagaa 240
attcaggagg ccacgcagtc gg                                     262
```

<210> 1739

<211> 422

<212> DNA

<213> Homo sapiens

<400> 1739

```
ccaccatcct tttgagacag ttcctatcaa caatcttgaa ccataactaat acattacttg 60
ttcctgaagt ccttttgttg tagctcataa taaaataagc aatacaaatg aattatctgt 120
attttaaggga aaagaaacat ttacaagaaa acacaaaaat ataactgtta taattcatta 180
tgaataaata tacactttga actggctaag tacaatcttt atacattgtt taagatttaa 240
tacagtttat tagccatttt cttttttcac acaatgtata tcaaaattaa aaaaaaatac 300
tgattttatg aaaaatggca aagtacagta gttccattcc aatttgaagg gccatgaaaa 360
gccactgcaa gaccttttag cctaattcaa acctgtaaac atgttcagtc ttttttacct 420
gc                                     422
```

<210> 1740

<211> 92

<212> DNA

<213> Homo sapiens

<400> 1740

```
gctaaatacc tatctaattgt gctatgttta tcaaatcgtg tactaaaatg gaaagctagt 60
tttgagaaat tattcagaag ccttggtatt tt                                     92
```

gctaaatacc tatctaattgt gctatgttta tcaaatcgtg tactaaaatg gaaagctagt 60
tttgagaaat tattcagaag ccttggtatt tt 92

<210> 1741
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 1741
 tttcaattct tccaaaaggc tcaaagatcc cacgaagcat atcttcagtt atgttgaagt 60
 gtaatgagcc cacataaagc ctcataaggtc cagcacttcc cttttgtaaa ttgtttgcca 120
 ttgctgcagc tctgtttttt tctgcctgtg atgcctgtac tatgattggc acgcctaaaa 180
 ctggttgg 188

<210> 1742
 <211> 285
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

<400> 1742
 ttnaaaatac tttcaggctc caccaaaacg tagaactgaa agcatgtatt ttggaagaaa 60
 gagatacatt ttgtatgctt tcttttcctt ttgtagattc ccagtttatt ttctaagact 120
 gcaaagatca ctttgtcacc agccctggga cctgagacca aggggggtgc ttgtgggcag 180
 tgagggggtg aggagaggct ggcctgaggt tcagtcattc cagtgaagctc caaagagggg 240
 ccacctgttc tcaaaagcat gttggggacc aggaggtaaa actgg 285

<210> 1743
 <211> 117
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(117)
 <223> n = A,T,C or G

<400> 1743
 angatctata gacacttttag gcaaaacagg ctcataaagc aattaaaaaa tcaacaattt 60
 agtaaaaaca ggctacatag tattttgttt ttacgtttca tttgtctatt gatcttt 117

<210> 1744
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 1744
 aaacaatggg ctaaaaataa acagtattaa aagggttaagt ttatataata catatgtaca 60
 caattagtggtg tgttttcttt tcagacaaaa tactgaaaca aatattagtt t 111

<210> 1745
 <211> 305
 <212> DNA

<213> Homo sapiens

<400> 1745

```
ctgccagtag acccccggtc accctgaggc tgggtgggtccc tgctagtcag tgtgggtctc 60
tcattggaaa aggtggatgc aagatcaagg aaatacgaga gactacaggg gctcaggtcc 120
aggtggcagg ggatatgcta cccaactcaa ctgagcgggc catcactatt gctggcattc 180
cacaatccat cattgagtgt gtcaaacaga tctgcgtggt catgttggag tccccccga 240
agggcgcgac catcccgtag cggcccaagc cgtccagctc tccggtcatc tttgcagggtg 300
gtcag 305
```

<210> 1746

<211> 319

<212> DNA

<213> Homo sapiens

<400> 1746

```
aaaataagtg aataagcgat atttattatc tgcaagggtt ttttgtgtgt gtttttgttt 60
ttattttcaa tatgcaagtt aggcttaatt tttttatcta atgatcatca tgaaatgaat 120
aagagggctt aagaatttgt ccatttgcac tcggaaaaga atgaccagca aaagggtttac 180
taatacctct ccctttgggg atttaatgtc tgggtgctgcc gcctgagttt caagaattaa 240
agctgcaaga ggactccagg agcaaaaaga acacaatata gaggggttga gttgttagca 300
atttcattca aaatgccaa 319
```

<210> 1747

<211> 177

<212> DNA

<213> Homo sapiens

<400> 1747

```
aaatcctttt ccataaata aaagtacagt tttcttggtg gcagaatgaa aatcagcaac 60
ttctagcata tagactatat aatcagattg acagcatata gaatatatta tcagacaaga 120
tgaggaggta caaaagttac tattgtctcat aatgacttac aggctaaaat tagtttt 177
```

<210> 1748

<211> 237

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(237)

<223> n = A,T,C or G

<400> 1748

```
ctgaaggant gnaantagac tggtnagag aggaaggcac tgagccacat gaaggatatgt 60
acgtagggtt tgttcagtgg aaatagactg gtagagagag gaaggcactg aaccacatga 120
aggtatgtgt gtaggttttg ttcagtggaa atagactggt agagagagga angcattgaa 180
tcacatgaag gtacgtgtgt aggttttgtt cactgacttc ttcantgtct cagccag 237
```

<210> 1749

<211> 244

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(244)
 <223> n = A,T,C or G

<400> 1749
 aaaaggcccc attatctgac aaaatagatg gtgaacatgc actatcccag gatatctatt 60
 attatccaaa gaagtgtttc tcaaagngtg gtccatggta ctgggtccatg aattggttgc 120
 taccagtcaa tgaagagata aattacttgc atcagagtgt aaatcaatac attgctttag 180
 ctattaataa aattttgcta aaaaatcaaa tcctgtcatt gacctaaaaa gtatctctag 240
 attt 244

<210> 1750
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(289)
 <223> n = A,T,C or G

<400> 1750
 aggcagcct ccaccacgca cggcgaaagg agtgaactag ctgggacaca cacacgtgtg 60
 aatgcatgca agcattcact gcattcttctc cgtggactcc ctaccgctct tccatagccc 120
 cccctttcag cctcactggt tctcgtgtga gcctatctgc ttgggcagtc cactcgggag 180
 ggggtcatgg agccaggact cccctctaat aggaatggaa aggaccctgc agatattttt 240
 atcctanttg tgaaaacaag gtgcctctga ttctctatat ccatcacag 289

<210> 1751
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(594)
 <223> n = A,T,C or G

<400> 1751
 ctggttatta atcacaagtc ctggaaatgg tctaatagacc gtgaatttga taaactcggc 60
 agagtctaag atcctttctca tggagctgat ttccaggtag ctgggggctt tgaaggacac 120
 ccccgggggc atgccatcaa ccaccacaca gccagggtta attgtgattt tcctgtaggg 180
 aactttcaca ggaaaaccca taccaatagc ttcaccaaatt tccgactaa agaggtcatt 240
 cacttggttct cttagctgtc tagctttttc aacttttcgag agtctttcat tatcatcatc 300
 tgggaattgtc acctgaatga tgttaaggtc ttcaacacct gatgcagtag tattaacatt 360
 ggggtgatgaa tttatttttc tgggagggtc cttagaggag gtgctctcct taatcgccgt 420
 ctcaaacatt tcgggctttt taatgatgaa cttaattttg gctttgtttc tgagtatctt 480
 ctccagcctc ggaatgccaa aagtcgatgg tcttcggaat ggcacaccct caggtaagcc 540
 ttccacataa aagtcttncg ggaaagactc aaataacgcg aacggcacct tcac 594

<210> 1752
 <211> 311
 <212> DNA

<213> Homo sapiens

<400> 1752

```
ctgaagggttt catggctccc aaggcttggga ccgtgctgac agaatactac aaatccttgg 60
agaaagctta ggctgttaac ccagtcactc cacctttgac acattactag taacaagagg 120
ggaccacata gtctctgttg gcattttctt gtggtgtctg tctggacatg cttcctaaaa 180
acagaccatt ttccttaact tgcattcagtt ttggtctgcc ttatgagttc tgttttgaac 240
aagtgtaca cactgatggt tttaatgtat cttttccact tattatagtt atattcctac 300
aatacaattt t 311
```

<210> 1753

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(587)

<223> n = A,T,C or G

<400> 1753

```
ctgtccatta tacaccgtca cgttgatccc tgccctcagc aactcgtcca caatgctaata 60
gactggcttc atgaagtcct cctccatggt cacaagacg ttggtagcct ggccctcccca 120
ggattgatcc tcaggaataa ttttgagcct ctttctgatg gggccattca tgagctggct 180
taaggcatct cgttgttaggt gtctcacgtg gcgctgacaa agacaaacta ggtggctctg 240
tgtgaattct agactcgact ccattgtaga cgtgggagtg cttttagtta agatgttata 300
gaagttcacc ccattctgtg tctgttcaat gatcatttct gctttccccc acagctctgt 360
ggcctctctg tagagccctt tatttacggc attcagtaact tgctctgcaa ccttagacac 420
ctctgccaga cctttgtctt cgagaagaga catgctgtac aggttaaggtc cccaggagag 480
caccgaatca acaggggaga tccaggaatc acccaaggca acccccgcaa agttgcactt 540
gatggtcctt cnetgaatgg ncttataaag ctctagacca atgccag 587
```

<210> 1754

<211> 564

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(564)

<223> n = A,T,C or G

<400> 1754

```
cctctctcct tggcttgcag gtggcacctt ctcactatgt cctcacatgg ccttttctct 60
gtggagaggg acagagagca tgagcaggct ctggtgtctc ctcttcttat aaagacacta 120
atatcaccat attagggctt aaacctatga cctcatttaa ccttaacccc ttaaagggtcc 180
catctccaaa aacagtcaca tagcaggcta ctgcttcaac atatgcattt gggggagggg 240
acaccattca gttcttaaca ggggtggtcac cgcaaacatg gaaagtcaga gccttctccc 300
cttcagaatt cccgccccca cccagggatg gggaagagga gcagagaggt atgggaagca 360
gacacggaga gtggcaggta ccatgctggg gtggctcagg agtgcttcng aggacatatg 420
gaactggcag ggctcagtg caggaggcgg aggccttggg agagccgtgt cctgagaagg 480
gcctgggcta caacctggg caagttactt cacctctgag cctccgatgc tctgtgaaat 540
ggaaggaatg tgcttgccctg tcag 564
```

<210> 1755
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 1755
 aaatgtgatg ttttgagcat caaaaagcta ctatctaaaa ggattagtct cccagtgttc 60
 ttggtaaatg gggaagggtta ggaaggaggc aatgatccaa tgaatataga agaactggcc 120
 gattcacagg aaacttgctt tggataaggt gagtcaatgg gtgatattgt gcaggcaggg 180
 agggaaattt ctttgtacaa attcatgtcc ctgg 214

<210> 1756
 <211> 225
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (225)
 <223> n = A,T,C or G

<400> 1756
 aaaattanna catacatggt caggcagctt ctgtccatan ntaaactatt ccttttcagt 60
 ctgagtaata tgcggnttgt tcttaatnnc ncacattaan aatttattta gattggtgaa 120
 actatcttta taaaaaaaaa atncgaacat gaatgcaaac ttaccaaaca gagcccacta 180
 nattgatnaa gttaatncca nnatagtttg ccatganctg ggtgg 225

<210> 1757
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 1757
 ttgcagcctg cgatgacaca gcgaatctat gacaagttta tagctcagtt gcagacatct 60
 atccgggagg aaatctctga catcaaagag gaggggaacc tagaagctgt cttgaatgcc 120
 ttggataaaa ttgtggaaga aggcaaagtc cgcaaagagc cagcctggcg cccagcgagg 180
 atcccagaga aggatctgca cagtgttatg gcaccctact tctgcagca acgggacacc 240
 ctgcggcgcc atgtgcagaa acaggaggcc gagaaccagc ag 282

<210> 1758
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 1758
 ctgaaacagc ttttcaagct ctctctcttc gtcaaggatc atgagaggca ctccactcaa 60
 ggggaggtgc gcaatctggt gctcttcagg cagggtcaaaa ctctcaaagt ctaggaggatt 120
 gaagggaag aatttttcta tttctggata ggcacatct gaggcaggaa cagagctttt 180
 tgctttaaca gtcttctcag tcatcttttt ggcagaaaag cttggctgtt tttgtttgag 240
 gggtccttgc gtctttacag acttttctgt agctctgttg acagttcca aagcctttct 300
 agtagcttta ggtaaggctg gtggggcatc gaacgttttg ccaaaacgtg gtgttgaaac 360
 ttgagatctc ccatctaagg ctttgattga aggtccagac cccagcttca gccatcctt 420
 agcaaccaca cgggtgcctg gttctccatt ttccttatcg acatagatca gag 473

<210> 1759
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 1759
 aaacttcgcc atgatcgtgt cttctgcact catgatatgg aaaggcttga tcgtgctcac 60
 aggcagtgag agcccatcg tgggtggtgct gagggtcagt atggagccgg cctttcacag 120
 aggagacctc ctgttctca caaatttccg ggaagacca atcagagctg gtgaaatagt 180
 tgttttt 187

<210> 1760
 <211> 564
 <212> DNA
 <213> Homo sapiens

<400> 1760
 cctctctcct tggcttgag gtggcacctt ctactatgt cctcacacgg ccttttctct 60
 gtggagaggg acagagagca tgagcaggct ctggtgtctc ctcttcttat aaagacacta 120
 atatcaccat attagggctt aaacctatga cctcatttaa ccttaacccc ttaaagggtcc 180
 catctccaaa aacagtcaca tagcaggcta ctgcttcaac atatgcattt gggggagggg 240
 acaccattca gttcttaaca ggggtgtcac cgcaaactg gaaagtcaga gccttctccc 300
 cttcagaatt cccgccccca cccagggatg gggaagagga gcagagaggt atgggaagca 360
 gacacggaga gtggcaggta ccatgctggg gtggctcagg agtgcttcgg aggacatatg 420
 gaactggcag ggctcagtgc agggaggcgg aggccttggg agagccgtgt cctgagaagg 480
 gcctgggcta caaccctggg caagttactt cacctctgag cctccgatgc tctgtgaaat 540
 ggaaggaatg tgcttgccctg tcag 564

<210> 1761
 <211> 413
 <212> DNA
 <213> Homo sapiens

<400> 1761
 ctgtctcttc atctatctta gcataggagt cctctgctgc cttttcaata ccgtcgtggg 60
 atttctccaa agcagttttc aagtttagaa atatttcctg ggacttcagt ttctcccttt 120
 cagcagcatc ttttagttgt tgaattccaa gtttaatttt ttggatttct tgattaattg 180
 tggttactcg ttcatagaca gcacctcttt tttcttgaac tttattgcaa tcctcaatta 240
 ctgtgcgttt gtattgctta acatcttcat gcttcttatt tattttgaat tgtgctgtgg 300
 caagtttttc cttcttcaca atcatcagtc ttttgaacga attttcttca gtcttcaatt 360
 tcttcagttc tgactcatca ctctcaattt ggtcctccaa gttcaggctt ctg 413

<210> 1762
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 1762
 ggaaaagaaa gagctgaaaa tgcagaaagc cgaagagtta gaacttttgg atacaggaga 60
 agaaacagcg gctccactac agaccagcc ccagggtcaa tgtcctccga agaataaggt 120
 ctttccctgg tgatgggtccc ctgccctgtc tttccagcat ccaactctcc ttgtcctcct 180
 gggggcatat ctacgtcagg cagcggcttc ctgatgatgg tcgttggggg ggttgtcatg 240
 tgatgggtcc cctccaggtt actaaagggt gcatgtcccc tgcttgaaca ctgaagggca 300
 ggtggtgggc catgg 315

<210> 1763
 <211> 114
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(114)
 <223> n = A,T,C or G

<400> 1763
 cgaccgccta agagtngcgc tgtaagaagc aacaacctct cctcttcgtc tccgccatca 60
 gctcggcagt cgcgaagcag caaccatgcg tgagtgcac tccatccacg ttgg 114

<210> 1764
 <211> 114
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(114)
 <223> n = A,T,C or G

<400> 1764
 ctaatacgac tcactatacg gctcnagcgg ccttccgngc cgggggctgc tcnnggttaga 60
 tngacatgaa naccctacag ntncactgt ggnaattgaa antatccctc atgt 114

<210> 1765
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 1765
 aaacagtaac aaaacagaaa gcaagaatca ctgaacactg ggtgcagtca gttctaagtc 60
 cttataataa ttgccaaaat tatttgaatg attcttcaag attaggctga tccctggcta 120
 aggtctgtgt aaggcagaca agcgttattg atcatatcaa gttccctaca atatcctgtc 180
 ctcaaaaccg gaagcaatga acatgatcct cttegggttg ataaatgaac ttcctgtttg 240
 gctgctttct aggccttgcc agattctcat aacatcatat acgtaagtat agttcctcaa 300
 agtgactgac atttatttta attttgcttt gttttttttt attttctccc ccattccttt 360
 attttgtgtt attcctgact cacttgacac tctctgatgc ctgagagatt cctgtttggg 420
 atttaatatc cagggtctgtg ttacagtaa aaaaagcagg cagtcccttt tagtttttcc 480
 ttttt 485

<210> 1766
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 1766
 aaaaacaaag tcttcaactt ggggtgttgag attggcaaaa ggggaagcaa gggaaaagcc 60
 aaggaaagat aaaatattca gaagaaagtc aaagttatct gcaattacat gttagaacag 120
 attttgcagg ttaaaaagat gttgcttaaa tatattcata aacctgttgt aagattttca 180

```

cttatgcagt ttcagaaaat ttagctgctt aacatatgac agaactgtat ttttaacaaat 240
gacattaaaa gtcaggagag ctactcagtt aattgataaa gtagaggcaa cgtggggggag 300
ccctccccac gtttattgaa gatttgtggc tccccagcc ccgtttgcct gcatcaggct 360
aacaacctca ttcctcccat agagcctgg 389

```

```

<210> 1767
<211> 176
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (176)
<223> n = A,T,C or G

```

```

<400> 1767
tttttcaacg attaanaatn ntcattacat aactnggtga aactgaaaaa gtatatcata 60
tgggtacaca aggctatttg ccagcgtata ttaatatatt agaaaatatt ccttttgtna 120
tactnaatat cancatagag cnagaatcat attatcatac ttatnatant gtican 176

```

```

<210> 1768
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<400> 1768
aaaagaaatc atggtacttc ttagagcaat ttgcaaaagg ggaaaaaagt cttaggctca 60
ctccttgga ataaatatca agtaaccata aaaatattca gccatttttc agttattcgg 120
ggagttcagg catggtccca cgcagagcat cagagtccct ctttgaaata acccagcttt 180
gccaatgaca tctcttttct caactgcata acctcccaa acatctgatc aacatcctgc 240
tgtttcacaa gtccctgctg aatgtatcga atgtatgtaa aaaagttaca tacagaagtg 300
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<210> 1769
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<212> DNA
<213> Homo sapiens

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<220>
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<222> (1) ... (111)
<223> n = A,T,C or G

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<400> 1769
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<210> 1770
<211> 225
<212> DNA
<213> Homo sapiens

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<400> 1770

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ttggcgccca tgagccagta gctccgggct gatctgtagc tcccagcagt cctcagcctt 180
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<210> 1771
<211> 223
<212> DNA
<213> Homo sapiens

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<220>
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tctcagagcc tctctggttc tttcaatcgg ggatgtctga gggaccttcc gcggcatcta 180
tgcgggcatg gttactgcct ctggtgcccc ccgcagccgc gcg 223

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<210> 1772
<211> 419
<212> DNA
<213> Homo sapiens

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<400> 1772
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ttgcccattg ataatcctca ctgatgattt caagctaaag caaaccacct tatacagaga 180
tctagaatct ctttatgttc tccagaggaa ggtggaagaa accatgggca ggagtaggaa 240
ttgagtgata aacaattggg ctaatgaaga aaacttctct tattgttcag ttcattccaga 300
ttataacttc aatgggacac ttttagaccat tagacaattg aactgggatt aaacaaattc 360
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<210> 1773
<211> 172
<212> DNA
<213> Homo sapiens

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<220>
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<210> 1774
<211> 525
<212> DNA
<213> Homo sapiens

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3971

<400> 1774

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<210> 1775

<211> 458

<212> DNA

<213> Homo sapiens

<400> 1775

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atgtagtctt cttttgacga gaacgttgag attttcgaac tttcagaact ttcttttttt 180
gatgtttttt cccattcttt tgccttttct tttggtgac ctgtttctcc cactttttta 240
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<210> 1776

<211> 461

<212> DNA

<213> Homo sapiens

<400> 1776

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<210> 1777

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1777

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368

<210> 1778
 <211> 554
 <212> DNA
 <213> Homo sapiens

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 <223> n = A,T,C or G

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 cttagtttgt tgcctaagag tacaccaaat gtgacatcct ttcaccaata tagattactt 180
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<210> 1779
 <211> 379
 <212> DNA
 <213> Homo sapiens

<220>
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 gatgccatgg agactggaag accattccaa cttggacgag ttaccatgag agcatatcct 180
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 cttttttcct tcaattattg ctgagaccaa gagcacaatt ccatttgaga gaaagatctc 300
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 tttgtcttga atgaattnt 379

<210> 1780
 <211> 222
 <212> DNA
 <213> Homo sapiens

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<210> 1781
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 1781
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 atcagcttta acatggagac gggcgctccgg gcagcggagt tcatcaagaa ttacatgaag 180
 aaatattcat tgctgcctta cttgatttta gtattgaaac agttccttct gcagagggac 240
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<210> 1782
 <211> 381
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(381)
 <223> n = A,T,C or G

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<210> 1783
 <211> 127
 <212> DNA
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<400> 1783
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 ggcccag 127

<210> 1784
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 1784
 agcccaatgt tctgtttggt atagaactatg tgatacctaa aacagggttt tactgtaagc 60
 tgtgttccact cttttataca aatgaagaag ttgcaaagaa tactcattgc agcagccttc 120
 ctcattatca gaaattaaag aaattttctga ataaattggc agaagaacgc agacagaaga 180
 aggaaactta agatgtgcaa ggagatttaa tgatttcaaa gaaaataatg gttcttttgtt 240
 tttaatgtta acctttttt 259

<210> 1785

<211> 400
 <212> DNA
 <213> Homo sapiens

<400> 1785
 ctggtacttg acagagagga tggcgctgtc gaccatagtc tcccagagga agcagataaa 60
 gcggaaggct ccccggtggct ttctaaagcg agtccttcaag cgaaagaagc ctcaacttcg 120
 tctggagaaa agtgggtgact tattgggtcca tctgaactgt ttactgtttg ttcacgatt 180
 agcagaagag tccaggacaa acgcttgtgc gagtaaagt agagtcatta acaaggagca 240
 tgtactggcc gcagcaaagg taattctaaa gaagagcaga ggtagaagt caaagaacat 300
 attcttgaaa gttatgatgc attcttttgg gtggtaacag atcataaaga cattttttac 360
 acatcagtta atatgggatt attaaatatt ggctataaaa 400

<210> 1786
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(372)
 <223> n = A,T,C or G

<400> 1786
 aaatgttctc atcagtttct tgccatgttg ttaactatac aacctggcta aagatgaata 60
 tttttctact ggtattttta tttttgacct aaatgtttta gcatttcyga tgagaaaact 120
 atacagattt gagaaatgat gctaaattta tagttttcag taacttaaaa agctaactg 180
 agagcatgcc aaaatttgct aagtccttaca aagatcaagg gctgtccgca acagggaana 240
 acagttttga aaatttatga actatcttat ttttaggtag gttttgaaag ctttttgtct 300
 aagtgaattc ttatgccttg gtcagagtaa taactgaagg agttgcttat cttggctttc 360
 gagtctgagt tt 372

<210> 1787
 <211> 86
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(86)
 <223> n = A,T,C or G

<400> 1787
 atgatgatta ctttcacatc gnaatccaac ctgaagagta ctttgttctc caatgttgct 60
 gtcaacattc agccatttat ccttat 86

<210> 1788
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 1788
 ccttgaaaat ccgcctgcaa gcctaccaca ctcaaaccac cccactcata gagtactaca 60
 ggaaacgggg gatccactcc gccatcgatg catcccagac ccccgatgtc gtgttcgcaa 120

[illegible]